

THIS IS PRINT SET

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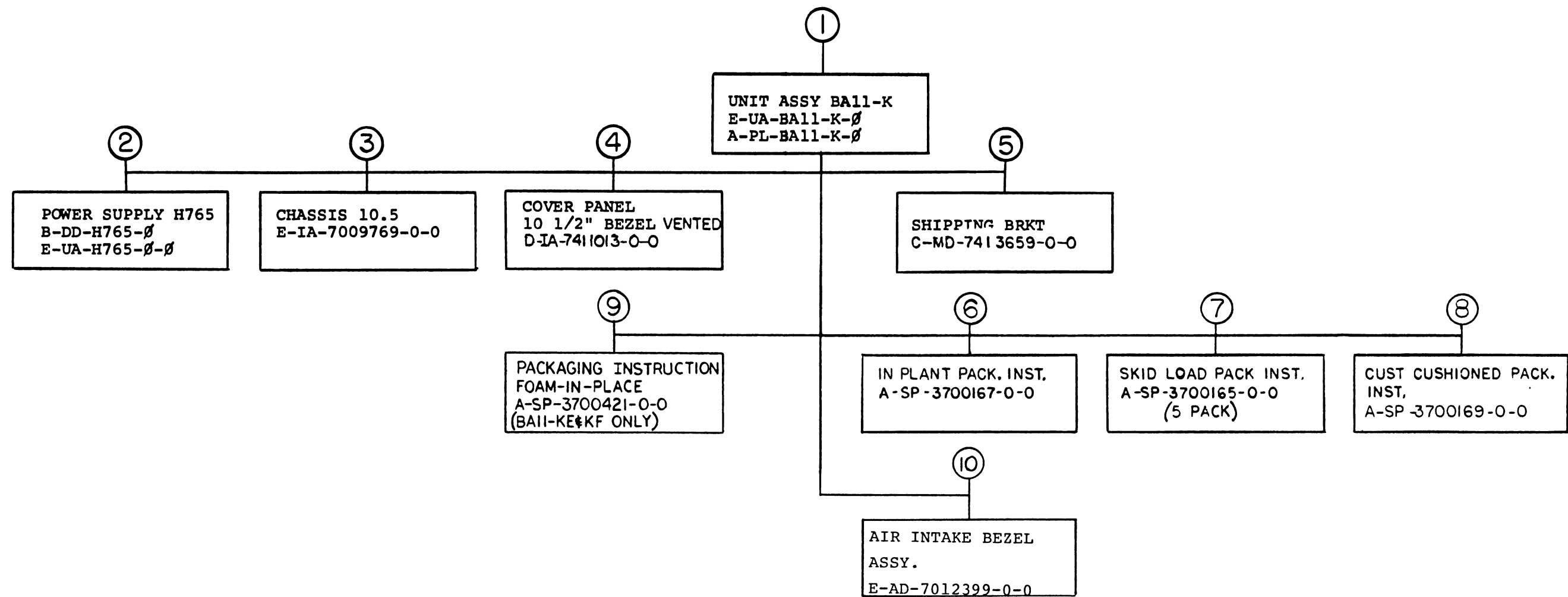
SEQUENCE

A-SP-3700167-O-O
A-SP-3700165-O-O
A-SP-3700169-O-O

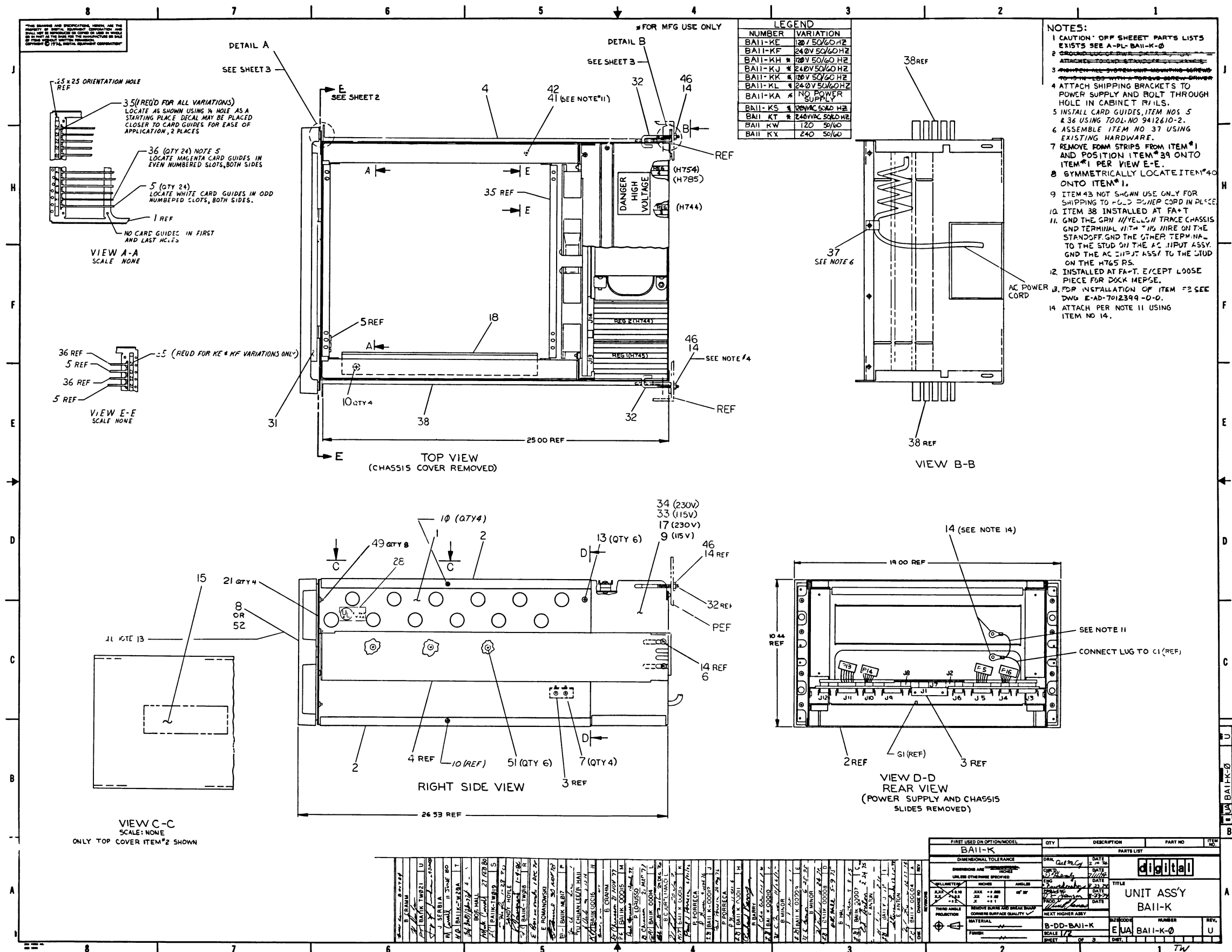
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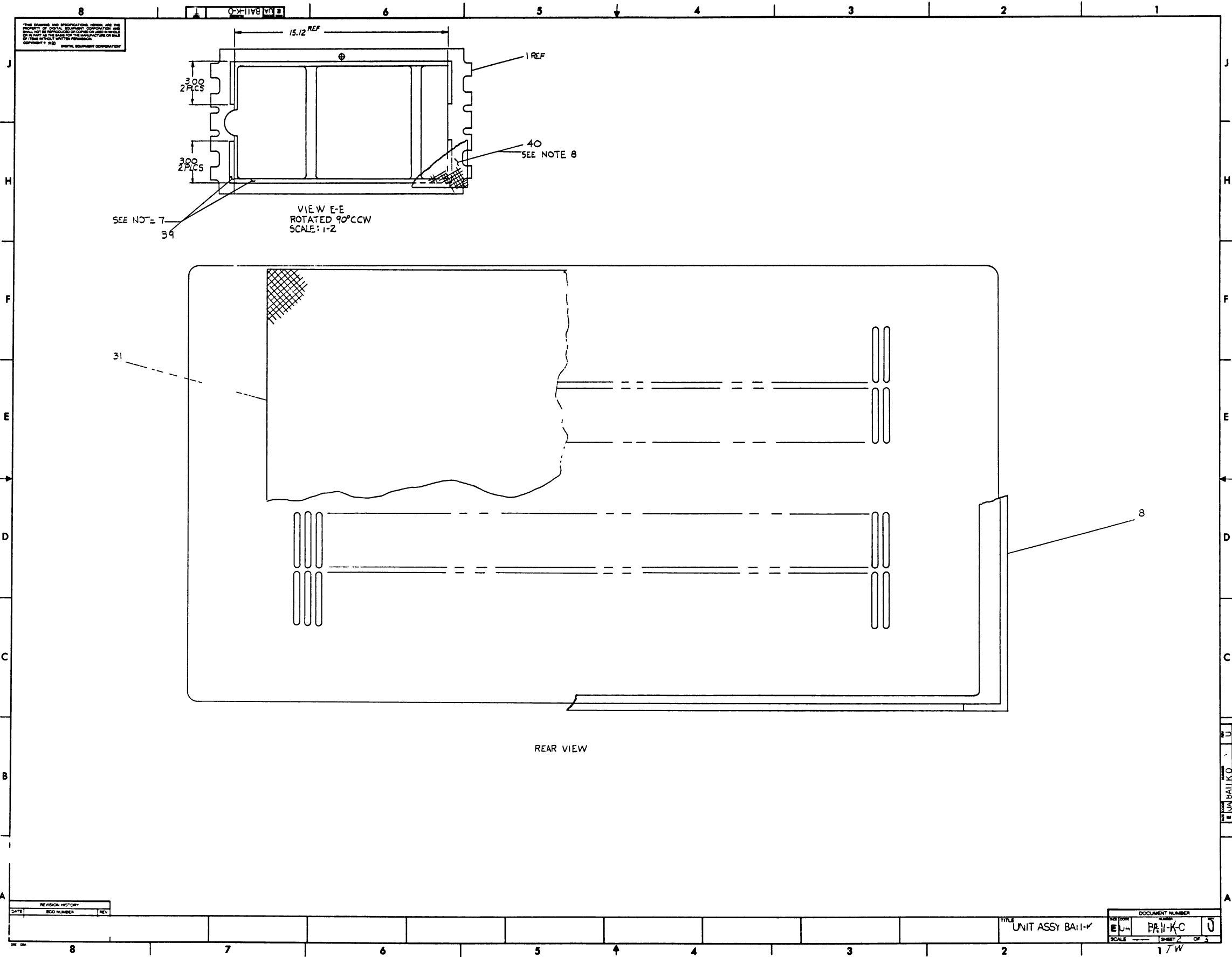
REV		CHG. NO.		DATE	
A	BA11K-4	E.A.			
B	BA11K-5	E.A.			
C	BA11K-7	WRA			
D	BA11K-8	B.M.			
E	BA11K-9	J.H.			
F	BA11K-10	R.B.			
H	BA11K-11	R.F.			
J	BA11K-12	R.P.			
K	BA11K-13	D.V.			
L	BA11K-14	3-77			
M	BA11K-15	1-77			
N	BA11K-ML17	11-78			
P	BA11K-18				
R	BA11K-TW20				

USED ON OPTION/MODEL		DRN.	DATE	TITLE			
		J. FERGUSEN	6/22/74	DRAWING DIRECTORY			
		CHK'D.	DATE	BALL-K			
11/05-S		D. HEALY	7/3/74				
11/35-S		PROJ ENG.	DATE				
		E. Anton	9/4/74				
		PROD.	DATE	SIZE	CODE	NUMBER	
		R. L. Gates	10/1/74	B	DD	BALL-K	
		FIELD SERV.	DATE	DIST		MP-00311-00	
SHEET 1	OF 4	R. L. Gates	9/13/74				



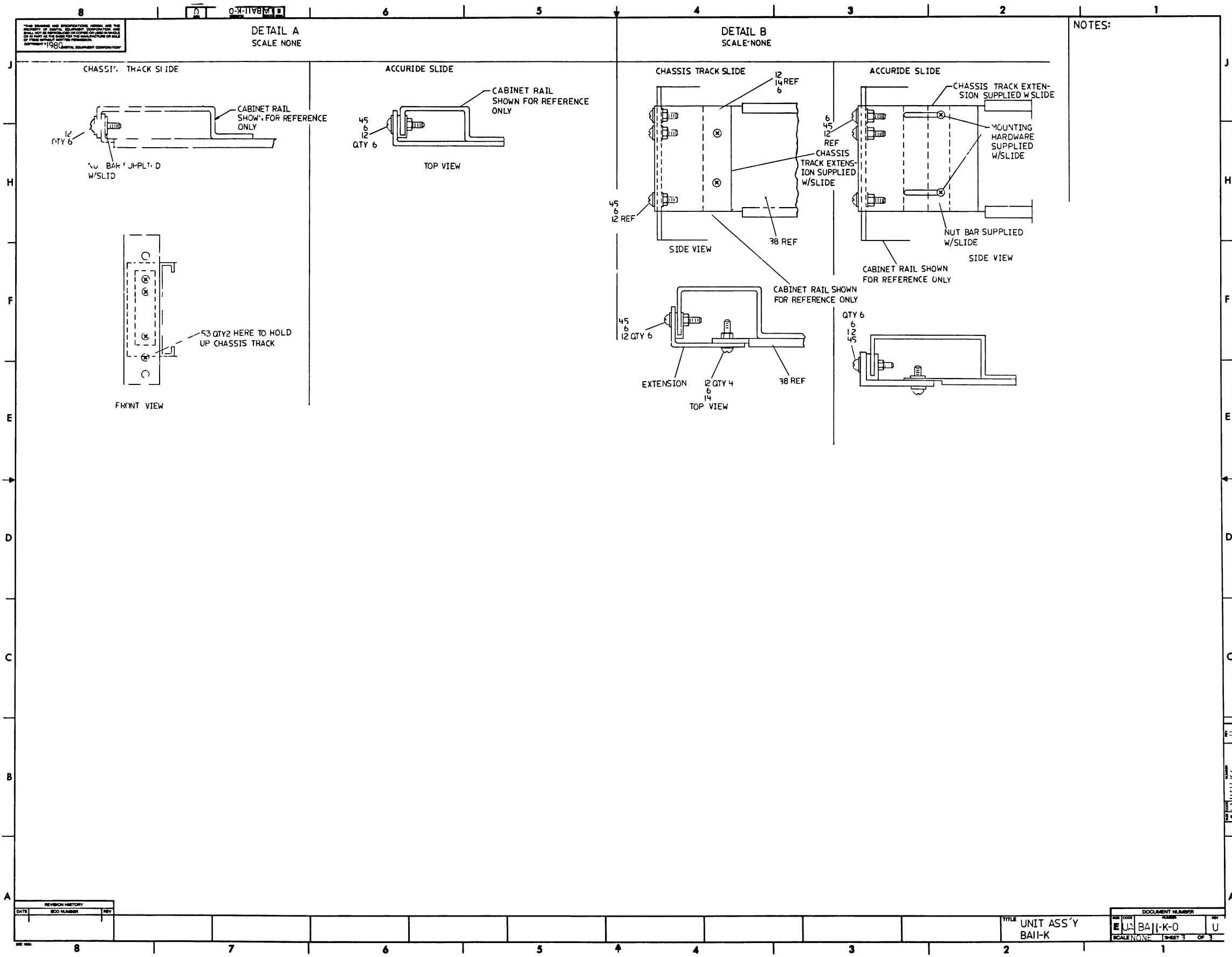
TITLE	SHEET	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY BALL-K	2 OF 4	B	DD	BALL-K	R





REVISION HISTORY			DOCUMENT NUMBER		
DATE	ECO NUMBER	REV	REV	ECO	REV

TITLE		DOCUMENT NUMBER	
UNIT ASSY BA11-V		BA11-KC	
SCALE		1/1 W	



DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION											
PARTS LIST																
MADE BY BILL BLODGET		CHECKED D. HEALY		SECTION												
DATE 6/26/74		DATE 6/27/74		1												
ENG P. E. JANSON		PROD <i>Albert Janos</i>		ISSUED SECT.												
DATE 8-23-74		DATE 8/23/74		1												
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				BALL-KE	BALL-KF	BALL-KH	BALL-KJ	BALL-KK	BALL-KL	BALL-KA	BALL-KS	BALL-KT	BALL-KW	BALL-KX
1	E-IA-7009769-0-0	CHASSIS 10.5				1	1	1	1	1	1	1	1	1	1	1
2	D-IA-7009768-0-0	COVER, CHASSIS				2	2	-	-	-	-	-	2	2	2	2
3	D-CS-5410864-0-1	POWER DISTRIBUTION BOARD				REF	REF	REF	REF	REF	REF	-	REF	REF	REF	REF
4	D-PS-1211825-0-0	SLIDE, 3 POS TILT				1pr	1pr	-	-	-	-	-	-	-	-	-
5	D-PS-1212405-0	CARD GUIDE, SINGLE				24	24	24	24	24	24	24	24	24	24	24
6	9006071-3	SCREW, PHL TRUSS HD #10-32 X .38 *				16	16	-	-	-	-	-	16	16	10	10
7	9006020-2	SCREW, PHL FLAT HD #6-32 X .25				4	4	4	4	4	4	-	4	4	4	4
8	D-IA-7411013-0-0	COVER, PANEL 10 1/2 BEZEL (SNAP-ON VENTED)				1	1	-	-	-	-	-	-	-	1	1
9	B-DD-H765-A	POWER SUPPLY H765-A 120V 50/60 HZ				1	-	1	-	-	-	-	1	-	1	-
10	9006020-3	SCREW, PHL. TRUSS HD #6-32 X .25				4	4	8	8	8	8	4	4	4	9	0
11	9006033	WASHER INTERNAL TOOTH LOCK #6				4	4	4	4	-	-	-	-	-	4	4
12	9007651	WASHER EXTERNAL TOOTH #10 *				12	12	-	-	-	-	-	12	12	12	12
13	9009599	SCREW, PHL FLAT HD (SPECIAL)				6	6	6	6	6	6	-	6	6	6	6
14	9006565	NUT, KEPS, #10-32				8	8	-	-	-	-	-	8	8	8	8
15	DEC-3-(374)-1825-N1174	STICKER, "CONFIGURATION"				1	1	-	-	-	-	-	1	1	1	1
16	D-IA-7010059-0-0	SHIPPING BRKT. ASSY				1	1	-	-	-	-	-	-	-	1	1
17	B-DD-H765-B	POWER SUPPLY H765-B, 240V 50/60 HZ				-	1	-	1	-	-	-	-	1	-	1
18	D-MD-7412184-0-0	CABLE TROUGH CHASSIS				-	-	1	1	1	1	-	-	-	-	-
19	9008408-1	SCR, PH. HD SELF TAP #6-32 X .25				1	1	5	3	-	-	-	-	-	1	1
20	D-UA-8G11A-10-0	UNIBUS CABLE, 10 FT				1	1	-	-	-	-	-	1	1	1	1
21	1209224	LATCH MOLDING				4	4	-	-	-	-	-	-	-	-	-
22	9008007-2	SCR PH HD FLT #10-32 X .25				8	8	-	-	-	-	-	-	-	-	-
TITLE UNIT ASSY BALL-K		ASSY NO. E-UA-BALL-K-0		SIZE A	CODE PL	NUMBER BALL-K-0		REV. U		ECO NO. BALL-K TW021						
SHEET 1 OF 3		DIST.														

DEC FORM DEC 16--(325)--1031--N870
DRA 110

TW

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION											
PARTS LIST																
MADE BY BILL BLODGET		CHECKED D. HEALY		SECTION												
DATE 6/26/74		DATE 6/27/74		1												
ENG P. E. JANSON		PROD W. LUCAS		ISSUED SECT.												
DATE 8-23-74		DATE 8-23-74		1												
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				BALL-KE	BALL-KF	BALL-KH	BALL-KJ	BALL-KK	BALL-KL	BALL-KA	BALL-KS	BALL-KT	BALL-KW	BALL-KX
23	A-SP-3700167-0-0	IN PLANT PACK. INST.				-	-	-	REF	REF	REF	REF	REF	REF	REF	REF
24	A-SP-3700165-0-0	SKID LOAD PACK INST. (5 PACK)				-	-	REF	REF	REF	REF	REF	REF	REF	REF	REF
25	A-SP-3700169-0-0	CUST. CUSHIONED PACK. INST. (SINGLE)				-	-	REF	REF	REF	REF	REF	REF	REF	REF	REF
26	A-SP-BALL-K-6	BALL-K BASIC CHECKOUT AND ACCEPTANCE PROCEDURE				REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
27	A-SP-BALL-K-7	BALL-K BASIC ASSEMBLY PROCEDURE				REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF
28	A-DC-5309414-0	DECAL, UL				1	1	-	-	-	-	-	1	1	1	1
29	A-DC-5309413-0	DECAL, NFPA				1	1	-	-	-	-	-	1	1	1	1
31	1211255-0-0	PRE FILTER				1	1	-	-	-	-	-	-	-	1	1
32	C-MD-7413659-0-0	SHIPPING BRACKET (INSTALLED AT FA+T)				2	2	-	-	-	-	-	2	2	2	2
33	B-DD-H765-C	POWER SUPPLY H765-C 20VAC 50/60HZ NO H754				-	-	-	-	1	-	-	-	-	-	-
34	B-DD-H765-D	POWER SUPPLY H765-D 240VAC 50/60HZ NO H754				-	-	-	-	-	1	-	-	-	-	-
35	A-PS-3613281-00	DECAL, ADHESIVE BACKED, BALL-K				2	2	1	1	1	1	1	2	2	2	2
36	D-PS-1212405-1	CARD GUIDE, SINGLE				24	24	24	24	24	24	24	24	24	24	24
37	9007086-00	CLAMP, CABLE				1	1	1	1	1	1	-	1	1	1	1
38	D-PS-1211825-01	SLIDE, 3 POS. TILT **				1PR	1PR	-	-	-	-	-	1pr	1pr	-	-
39	A-PS-1212431-00	TAPE, HOOK, MOLDED				-	-	-	-	-	-	-	A/PA/R	-	-	-
40	A-PS-1212392-01	FILTER, FOAM				-	-	-	-	-	-	-	1	1	-	-
41	9006635	WASHER, INTERNAL TOOTH LOCK #10				1	1	1	1	1	1	1	1	1	1	1
42	9006231-09	SCREW, HEX HEAD #10-32 X .5				1	1	1	1	1	1	1	1	1	1	1
43	9007032	TIE, CABLE CLAMP SST2-M				2	2	2	2	2	2	2	2	2	2	2
TITLE UNIT ASSY BALL-K		ASSY NO. E-UA-BALL-K-0		SIZE A	CODE PL	NUMBER BALL-K-0		REV. U		ECO NO. BALL-K TW021						
SHEET 2 OF 3		DIST.														

DEC FORM DEC 16--(325)--1031--N870
DRA 110

TW

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST					QUANTITY VARIATION												
MADE BY		CHECKED		SECTION 1		BALL-KE	BALL-KF	BALL-KH	BALL-KJ	BALL-KK	BALL-KL	BALL-KA	BALL-KS	BALL-KT	BALL-KW	BALL-KX	
DATE		DATE															
ENG		PROD		ISSUED SECT. 1													
DATE		DATE															
ITEM NO.	DWG NO./PART NO.	DESCRIPTION															
44	90-06636	Washer, internal tooth #10*				18	18	-	-	-	-	-	18	18	18	18	
45	90-07786-00	Nut, Tinnerman				12	12	-	-	-	-	-	12	12	12	12	
46	90-06664-00	Washer, flat #10*				14	14	-	-	-	-	-	14	14	14	14	
47	90-06073-03	Screw, Phil Truss hd #10-32.5*				8	8	-	-	-	-	-	8	8	8	8	
48	A-SP-3700421-0-0	Packaging Instructions (foam in place)				Ref	Ref	-	-	-	-	-	-	-	-	-	
49	90-06070-02	Ph. Flat hd screw, #10-32 X 5/16				8	8	-	-	-	-	-	-	-	-	-	
50	A-PS-3613209-00	Serial Number Label				A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	
51	9009700	Sems screw, #10-32X.5				6	6	-	-	-	-	-	6	6	6	6	
52	E-AD-7012399-0-0	Air Intake Bezel Assy				-	-	-	-	-	-	-	-	-	1	1	
53	9006039-01 ***	SCREW, PAN PHILLIPS 8-32 X.5				2	2	-	-	-	-	-	2	2	2	2	
		* Item 51 is an allowable substitute for the															
		combination of these parts when used on item 38															
		** 1211825-02 IS AN ALLOWABLE SUBSTITUTE															
		*** REQUIRED ONLY IF 1211825-02 IS USED															
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV		ECO NO.					
Unit Assy BALL-K		E-UA-BALL-K-Ø		A	PL	BALL-K-0				U							
		SHEET 3 OF 3		DIST													

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THIS IS PRINT SET

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SEQUENCE

A-SP-3700174-0-0

B-DD-H744-Ø
B-DD-H745-Ø
B-DD-H754-Ø

D-CS-5410864-0-1
D-AD-7012500-0-0
D-CS-5411086-0-1
E-AD-7011486-0-0

[illegible]

REVISIONS							
DATE	CHG. NO.	REV					
CN	H765-3	A					
CN	H765-4	B					
SL	H765-6	C					
SL	H765-7	D					
RK	H765-8	E					
KP	H765-9	F					
P.P.	H765-10	H					
P.J.P.	H765-11	J					
Kut	H765-12	K					
Vign	H765-13	L					
G.A.	H765-14	M					
K.T.	H765-15	N					
3-77	H765-16	P					
9-77	H765-17	R					

USED ON OPTION/MODEL

DRN.
J. FERGUSON
CHK'D.
D. HEALY
PROJ ENG.
E. Bates
PROD.
R.K. Peterson
FIELD SERV
R.L. Gates

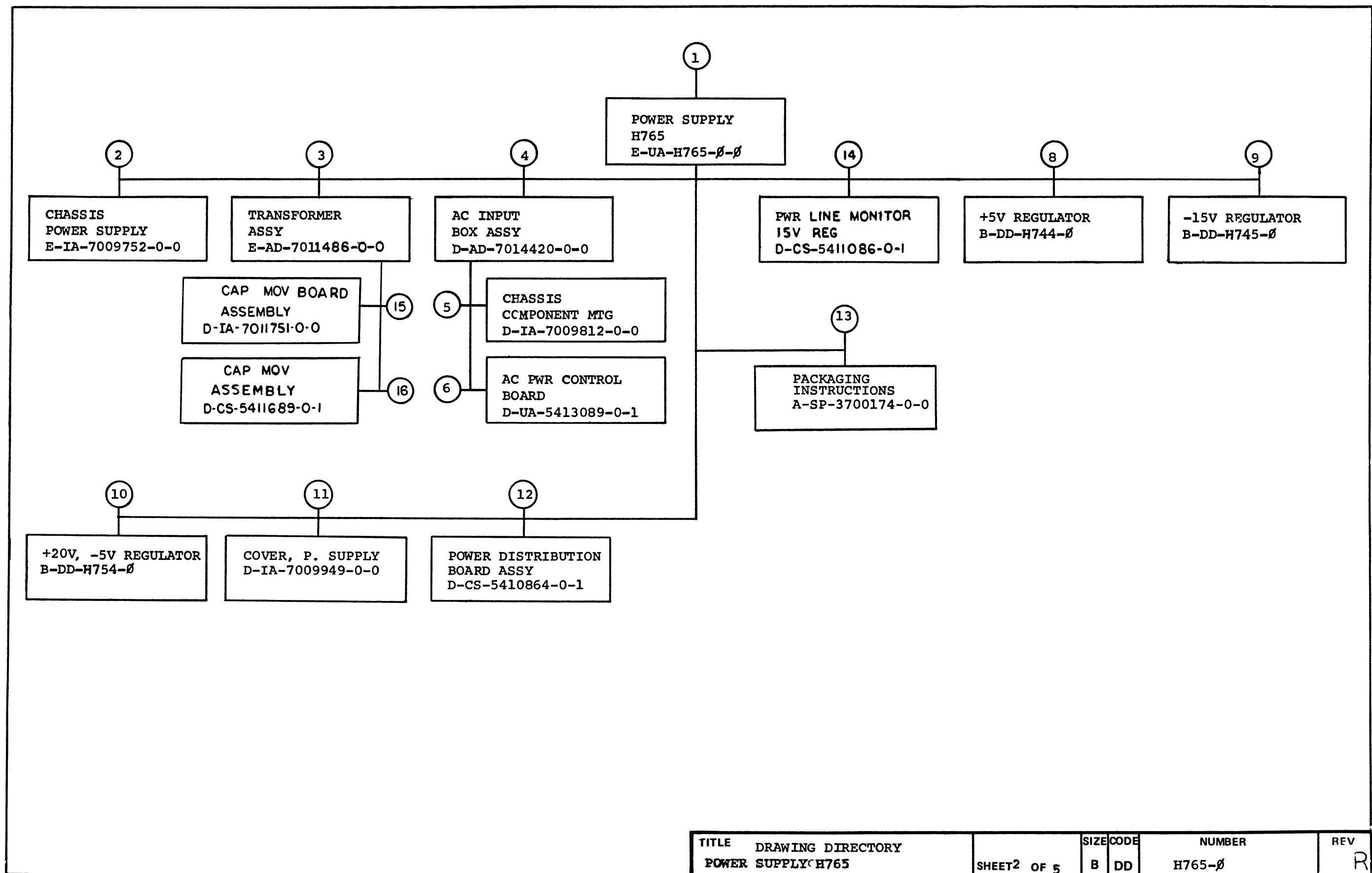
DATE
6/25/74
DATE
7/3/74
DATE
9/4/74
DATE
10/1/74
DATE
9/13/74

TITLE
DRAWING DIRECTORY
POWER SUPPLY H765

SIZE CODE NUMBER REV
B DD H765-B R

DIST

SHEET 1 OF 5



TITLE	DRAWING DIRECTORY	SHEET	OF	SIZE	CODE	NUMBER	REV
POWER SUPPLY H765		2	5	B	DD	H765-Ø	R

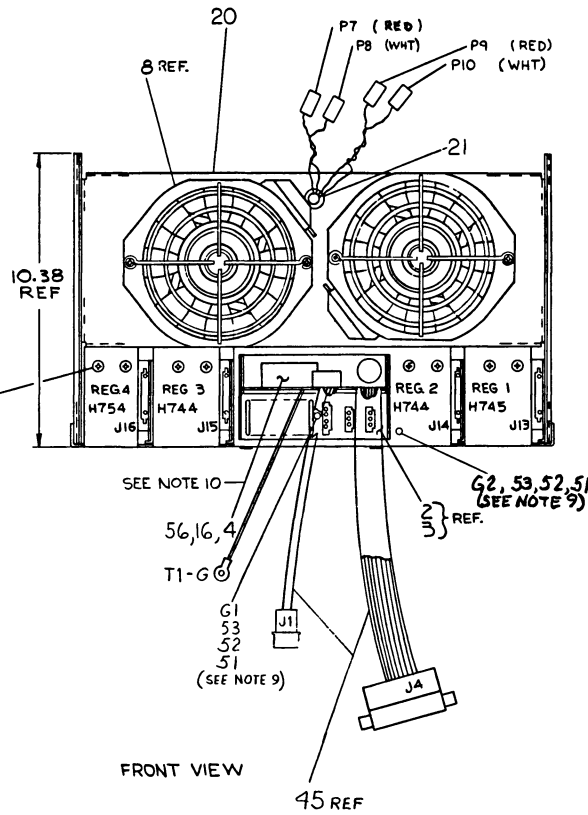
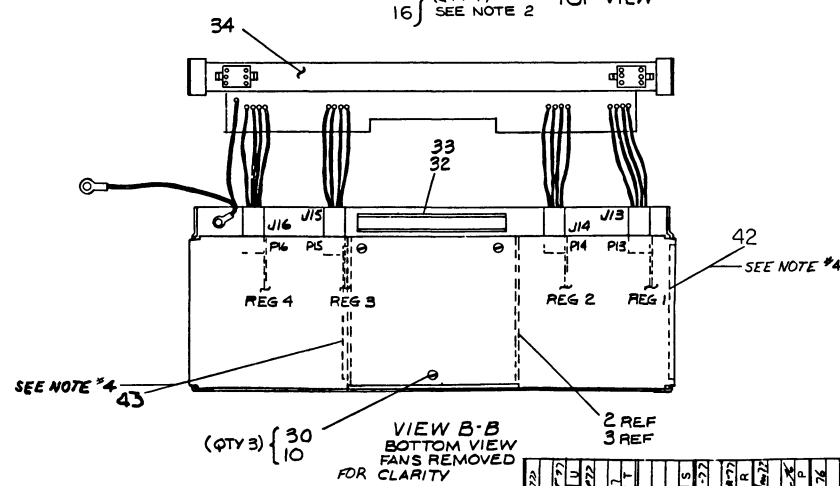
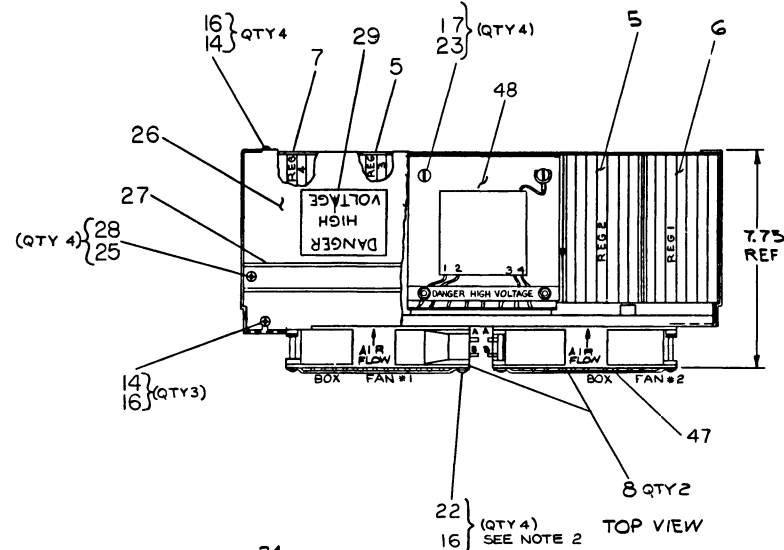
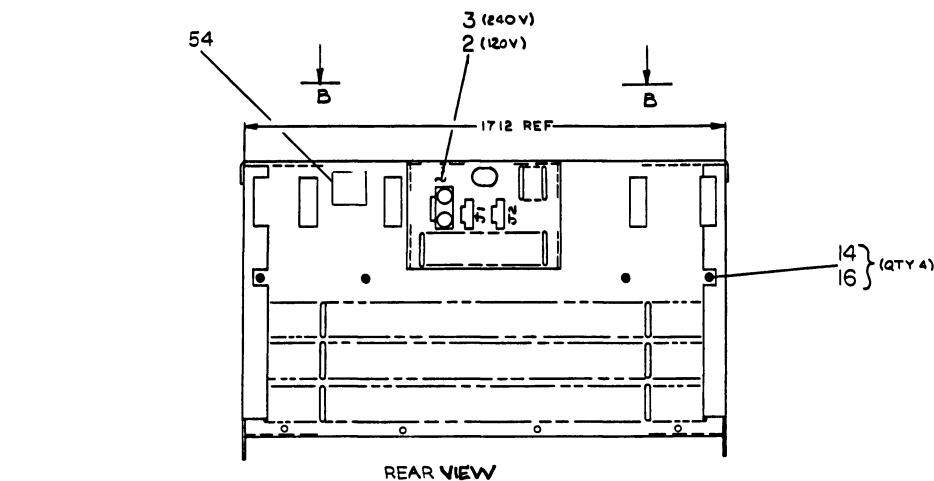
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LEGEND	
NUMBER	VARIATION
H765-A	120V 50/60 HZ
H765-B	240V 50/60 HZ
H765-C	120V 50/60 HZ NO H754
H765-D	240V 50/60 HZ NO H754
H765-P	120V 50/60 HZ NO REG
H765-R	240V 50/60 HZ NO REG

NOTES CONT
10. ITEM 16 (SCREW & WASHER) TO BE USED TO MOUNT S411086 (ITEM 4) IN AC INPUT BOX (ITEM 2 OR 3) IN A,B,C,D VERSION. IN PER VERSION, INSTALL SCREW & WASHER IN MOUNTING HOLES. THEY WILL BE USED ON A HIGHER ASSEMBLY.

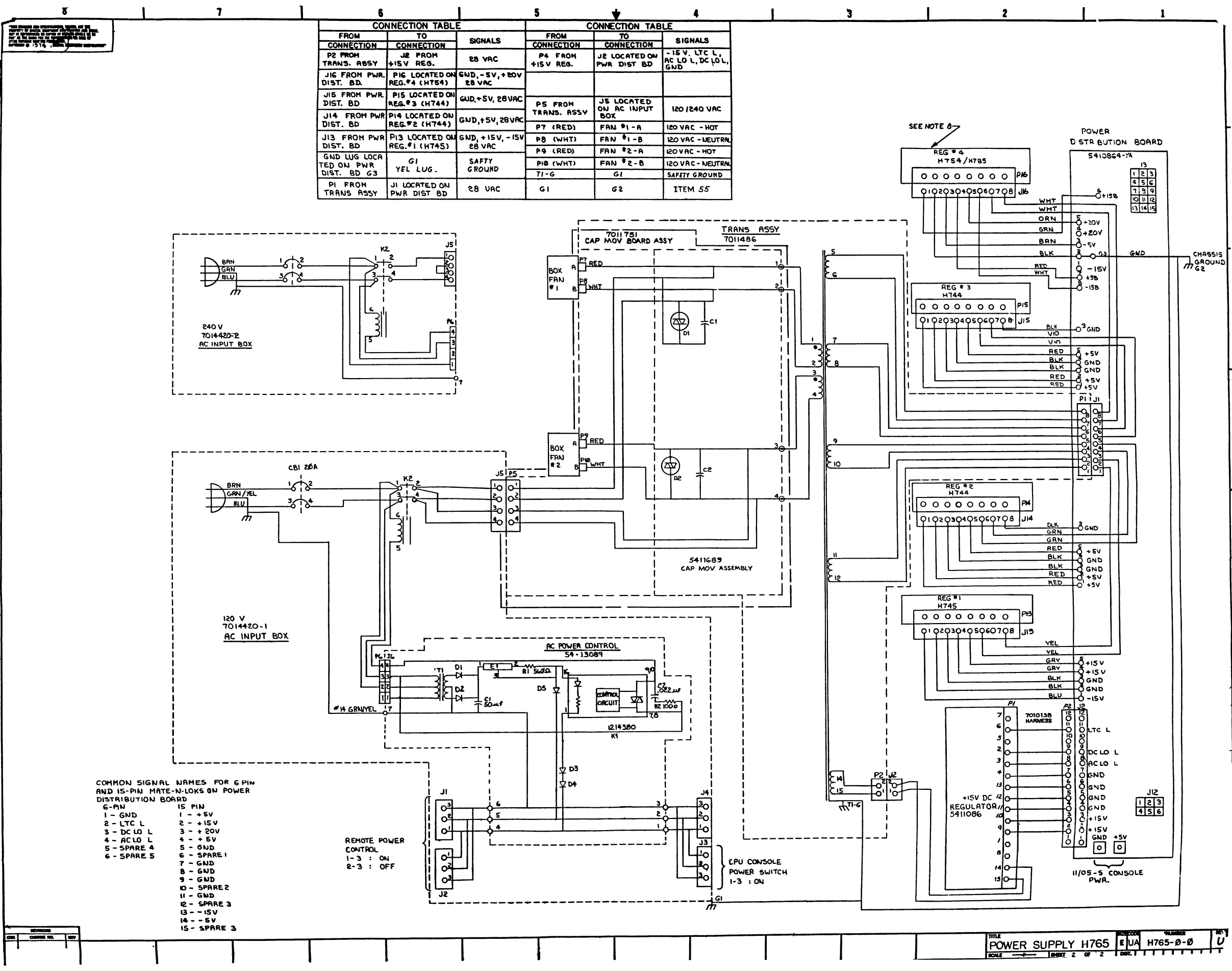
NOTES

- SEE TRANSFORMER ASSEMBLY TO DETERMINE ORIENTATION OF CLAMP & CABLE TIES.
- TIGHTEN FAN SCREWS TO 10 IN-LBS WITH A TORQUE SCREW DRIVER.
- USE ~~ITEM 16 (SCREW & WASHER)~~ IN PLACE OF ~~ITEM 16 (SCREW & WASHER)~~ IN ~~PER VERSION~~.
- INSTALL ABS VINYL, VIEW B-B ITEM #42 AND #43, CENTER 1/4 INCH FROM BOTTOM AND SIDES ON INSIDE WALL.
- ~~SEE TRANSFORMER ASSEMBLY TO DETERMINE ORIENTATION OF CLAMP & CABLE TIES.~~
- ~~GREEN WIRE SHOWN IN FROM TRANSFORMER TO BE FASTENED UNDER REGULATOR MOUNTING SCREW.~~
- ~~IN EARLIER VERSIONS OF THE TRANSFORMER ASSEMBLY A CABLE CLAMP WAS USED IN PLACE OF THE 3-TIE WRAPS TO CROSS THE TRANSFORMER WIRES ALONG THE TRANSFORMER BODY.~~
- ITEM 7 - H754 IS NOT USED IN VARIATIONS C & D.
- ITEM 53 IS TO BE USED TO PREVENT CORROSION OF CHASSIS AT GROUND STUD.



QTY	DESCRIPTION	PART NO	ITEM NO
1	CABLE GND	7013825-02	55
1	DECAL	ADC 7418261-00	54
A/R	GREASE CONDUCTOR	4801173-01	53
2	WASHER LOCK EXT TOOTH # 32	9008072	52
2	NUT, KEP # 8-32	9006563	51
2	SCREW, PHD # 8-32	9006563	50
A/R	WIRE, #16-18	9007777-34	49
1	TRANSFORMER ASSEMBLY	E AD 701486 0-0	48
2	FAN GUARD	1212367	47
1	WASHER LOCK EXT TOOTH # 10	9006563	46
1	HARNESS INTERCONN	DIA-7010138-0	45
1	WASHER LOCK EXT TOOTH # 10	9006563	44
1	ABS VINYL 475 X 35	1210984-03	43
1	ABS VINYL 475 X 6	1210984-04	42
1	WASHER LOCK EXT TOOTH # 10	9006563	41
REF	TEST PROCEDURE	A-SP-H765-0-1	40
REF	TESTER C S	A-CS-H765-TA-1	39
REF	TESTER U.A.	E-UA-H765-TA-1	38
REF	TESTER P.L.	A-PL-H765-TA-0	37
REF	H765 POWER SUPPLY ASSEMBLY PROCEDURE	A-SP-H765-0-9	36
REF	PACKAGING INSTRUCTIONS	A-SP-37007400	35
1	PWA DISTRIBUTION BD	D-CS-54084-0-1	34
A/R	PERMA BOND	9009157	33
A/R	GROMMET STRIP	9008297	32
4	TIE WRAP 1/8 W	9007880	31
3	WASH, C SK # 6	9008270	30
1	STICKER DANGER HIGH VOLTAGE	3610267	29
4	WASH, INT TOOTH LOCK # 8	9006674	28
1	TROUGH, WIRE	D-IA7009450-00	27
1	COVER, POWER SUPPLY	D-IA7009449-00	26
4	SCR PHD TRUSS # 32X44	9006040-3	25
1	WASHER LOCK EXT TOOTH # 10	9006563	24
4	SCR PHD TRUSS # 32X50	9006078-3	23
4	SCR PHD TRUSS # 32X1175	9006031-3	22
1	GROMMET .50 ID	9007016	21
1	CHASSIS POWER SUPPLY	E IA 70047520 0	20
1	CLAMP CABLE	D-IA 7418261-00	19
1	WASHER LOCK EXT TOOTH # 10	9006563	18
10	WASH INT TOOTH # 10	9006675	17
11	WASH INT TOOTH # 6	9006675	16
6	SCR PHD TRUSS # 32X28	9006027-3	15
7	SCR PHD TRUSS # 32X25	9006020-3	14
1	DECAL, WASH	9006020-3	13
1	WASHER LOCK EXT TOOTH # 10	9006563	12
3	SCR, PHL FLT, HD # 32X 31	9008404-2	10
2	FAN, 115 VAC 50/60 HZ	1211714	8
1	+20V REGULATOR (H784)	B DD-H754-0	7
1	-15V REGULATOR (H745)	B DD-H745-0	6
2	+5V REGULATOR (H744)	B DD-H744-0	5
1	PWR BD (+15V REG)	EIA-411086	4
1	AC INPUT BOX ASSY 230V	D-AD 70M420-2-0	3
1	AC INPUT BOX ASSY 115V	D-AD 70M420-1-0	2
1	TRANSFORMER ASSEMBLY	E AD 701486 0-0	1

FIRST USED ON OPTION MODEL		QTY		DESCRIPTION		PART NO		ITEM NO	
BAIL-K									
DIMENSIONAL TOLERANCE		DATE		DATE		DATE		DATE	
UNLESS OTHERWISE SPECIFIED		6-24-76		6-24-76		6-24-76		6-24-76	
ALL DIMENSIONS ARE IN INCHES		BY		DATE		DATE		DATE	
THIRD ANGLE PROJECTION		BY		DATE		DATE		DATE	
REMOVE BURRS AND BREAK SHARP CORNERS TO SURFACE QUALITY		BY		DATE		DATE		DATE	
MATERIAL		B-D0 H765 0		EUA		H765-0-0		U	
SEE PARTS LIST		SCALE		NONE		OF 2		DST	



CONNECTION TABLE			CONNECTION TABLE		
FROM	TO	SIGNALS	FROM	TO	SIGNALS
P2 FROM TRANS. ASSY	J2 FROM +15V REG.	28 VAC	P4 FROM +15V REG.	J2 LOCATED ON PWR DIST BD	-15V, LTC L, AC LO L, DC LO L, GND
J16 FROM PWR. DIST. BD.	P16 LOCATED ON REG.#4 (H754)	GND, -5V, +20V 28 VAC			
J15 FROM PWR. DIST. BD.	P15 LOCATED ON REG.#3 (H744)	GND, +5V, 28VAC	P5 FROM TRANS. ASSY	J5 LOCATED ON AC INPUT BOX	120/240 VAC
J14 FROM PWR. DIST. BD.	P14 LOCATED ON REG.#2 (H744)	GND, +5V, 28VAC	P7 (RED)	FAN #1 - A	120 VAC - HOT
J13 FROM PWR. DIST. BD.	P13 LOCATED ON REG.#1 (H745)	GND, +15V, -15V 28 VAC	P8 (WHT)	FAN #1 - B	120 VAC - NEUTRAL
GND LUG LOCATED ON PWR DIST. BD G3	G1 YEL LUG.	SAFTY GROUND	P9 (RED)	FAN #2 - A	120 VAC - HOT
P1 FROM TRANS ASSY	J1 LOCATED ON PWR DIST BD	28 VAC	P10 (WHT)	FAN #2 - B	120 VAC - NEUTRAL
			T1-G	G1	SAFTY GROUND
			G1	G2	ITEM 55

- COMMON SIGNAL NAMES FOR 6 PIN AND 15-PIN MATE-N-LOKS ON POWER DISTRIBUTION BOARD
- | | |
|-------------|--------------|
| 6-PIN | 15-PIN |
| 1 - GND | 1 - +5V |
| 2 - LTC L | 2 - +15V |
| 3 - DC LO L | 3 - +20V |
| 4 - AC LO L | 4 - +5V |
| 5 - SPARE 4 | 5 - GND |
| 6 - SPARE 5 | 6 - SPARE 1 |
| | 7 - GND |
| | 8 - GND |
| | 9 - GND |
| | 10 - SPARE 2 |
| | 11 - GND |
| | 12 - SPARE 3 |
| | 13 - -15V |
| | 14 - -5V |
| | 15 - SPARE 3 |

REMOTE POWER CONTROL
1-3 : ON
2-3 : OFF

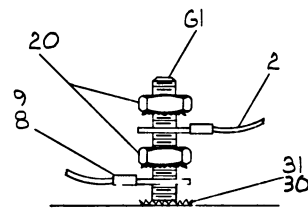
CPU CONSOLE POWER SWITCH
1-3 : ON

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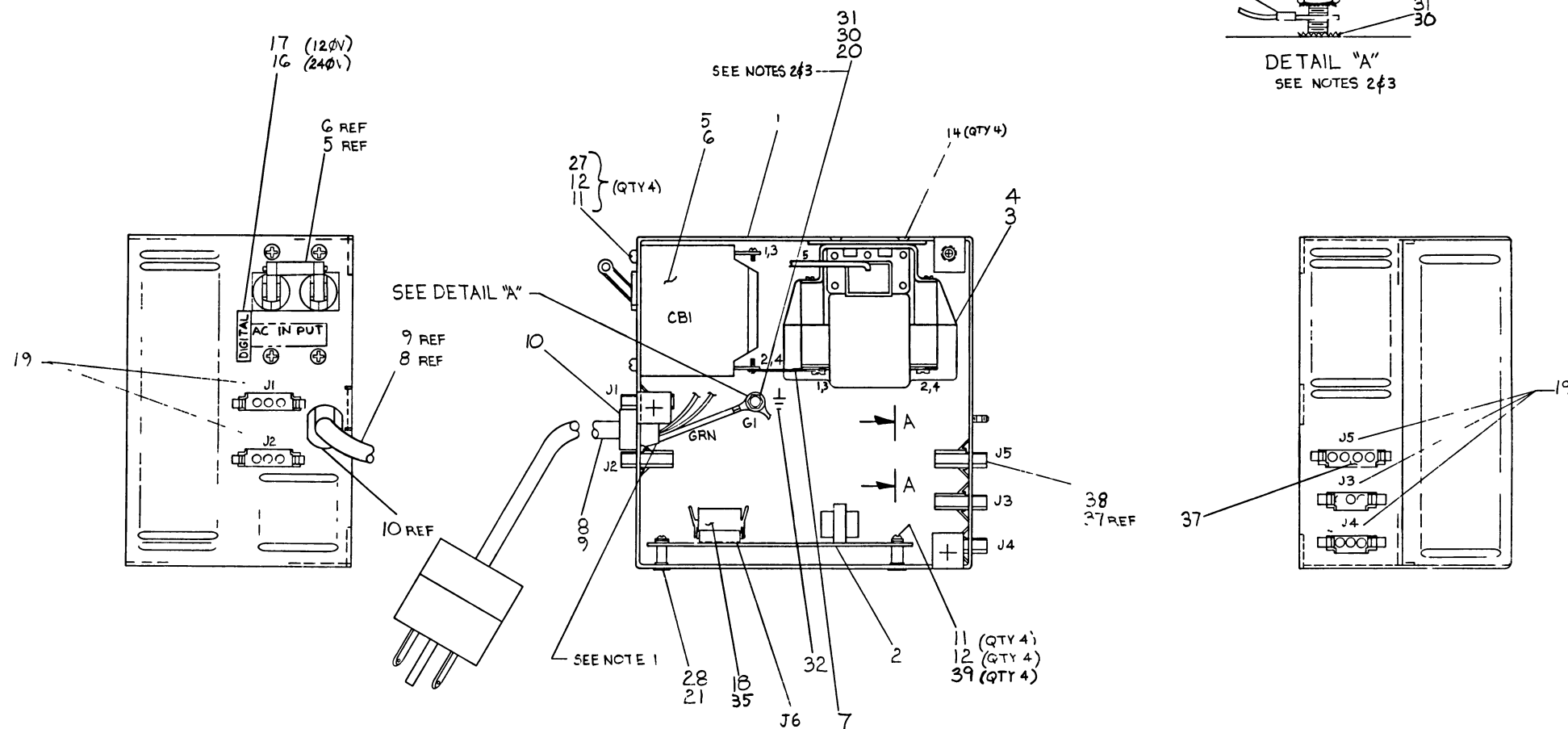
NOTES:

1. LEAVE .5IN \pm 2IN OF OUTER INSULATION OF LINE CORD INSIDE BOX
2. REMOVE PAINT MASK FROM G1 ONLY AND APPLY CONDUCTIVE GREASE TO AREA AROUND STUD G1 BEFORE INSTALLING ITEMS #31 (LOCKWASHER), LUG ON GRN/YEL WIRE AND #20 (KEPNUT).
3. ENSURE THAT LUG CONNECTED TO GRN/YEL WIRE FROM LINE CORD, WASHER ITEM #31, AND KEPNUT ITEM #20 ARE THE FIRST ITEMS INSTALLED ON G1. SEE DETAIL "A"
4. STRIP LENGTH FOR ITEM #36 AND ITEM #29 SHALL BE .250 \pm .015
5. STRIP LENGTH FOR ITEM #37
A. HAND CRIMP .187 \pm .015
B. AUTOMATIC STRIP .156 \pm .015
6. STRIP LENGTH FOR ITEM #35
A. HAND CRIMP .203 \pm .015
B. AUTOMATIC STRIP .182 \pm .015

LEGEND	
NUMBER	VARIATION
7014420-1	120V 47-63HZ 12A
7014420-2	240V 47-63HZ 6A



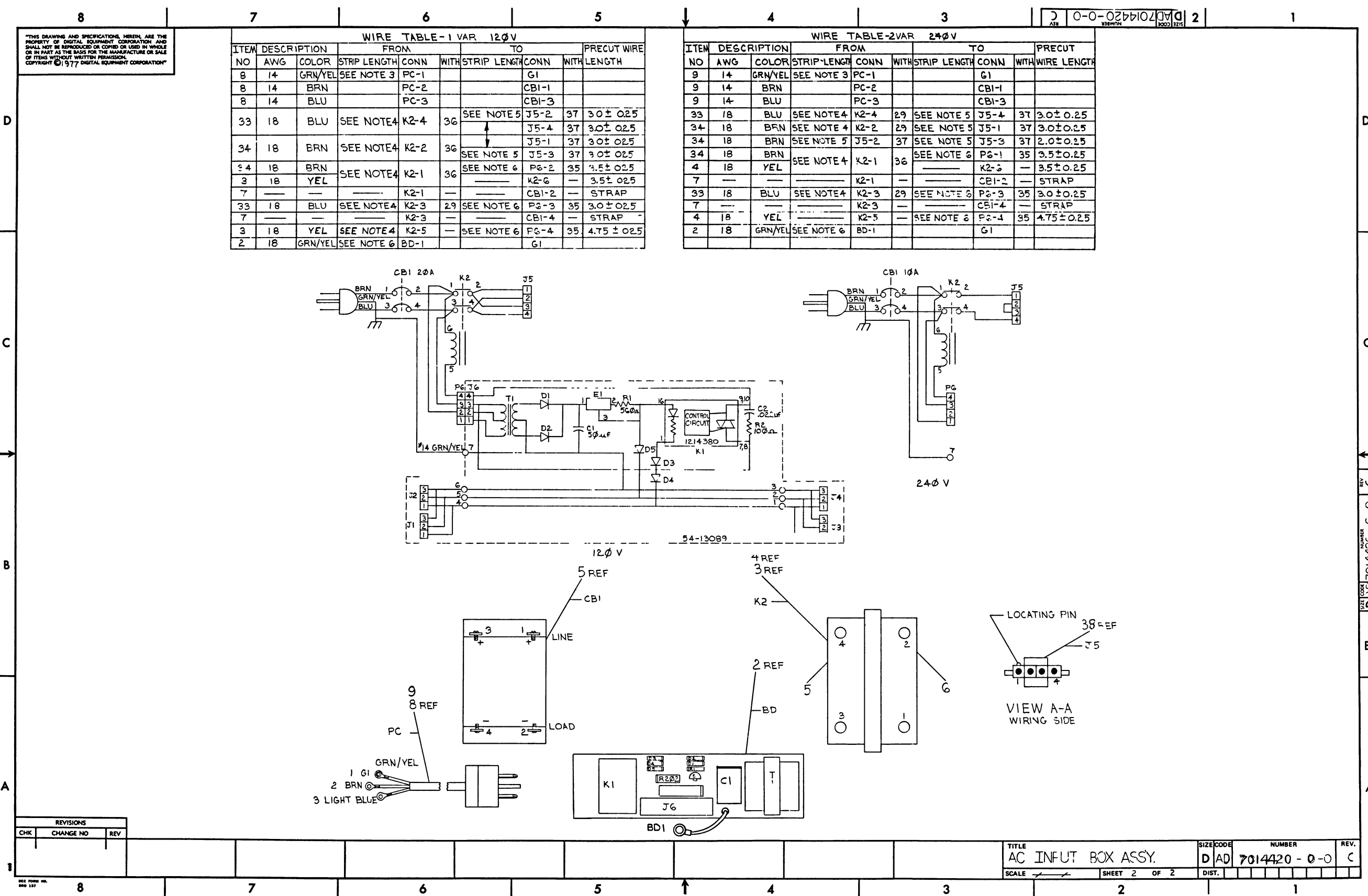
DETAIL "A"
SEE NOTES 2#3

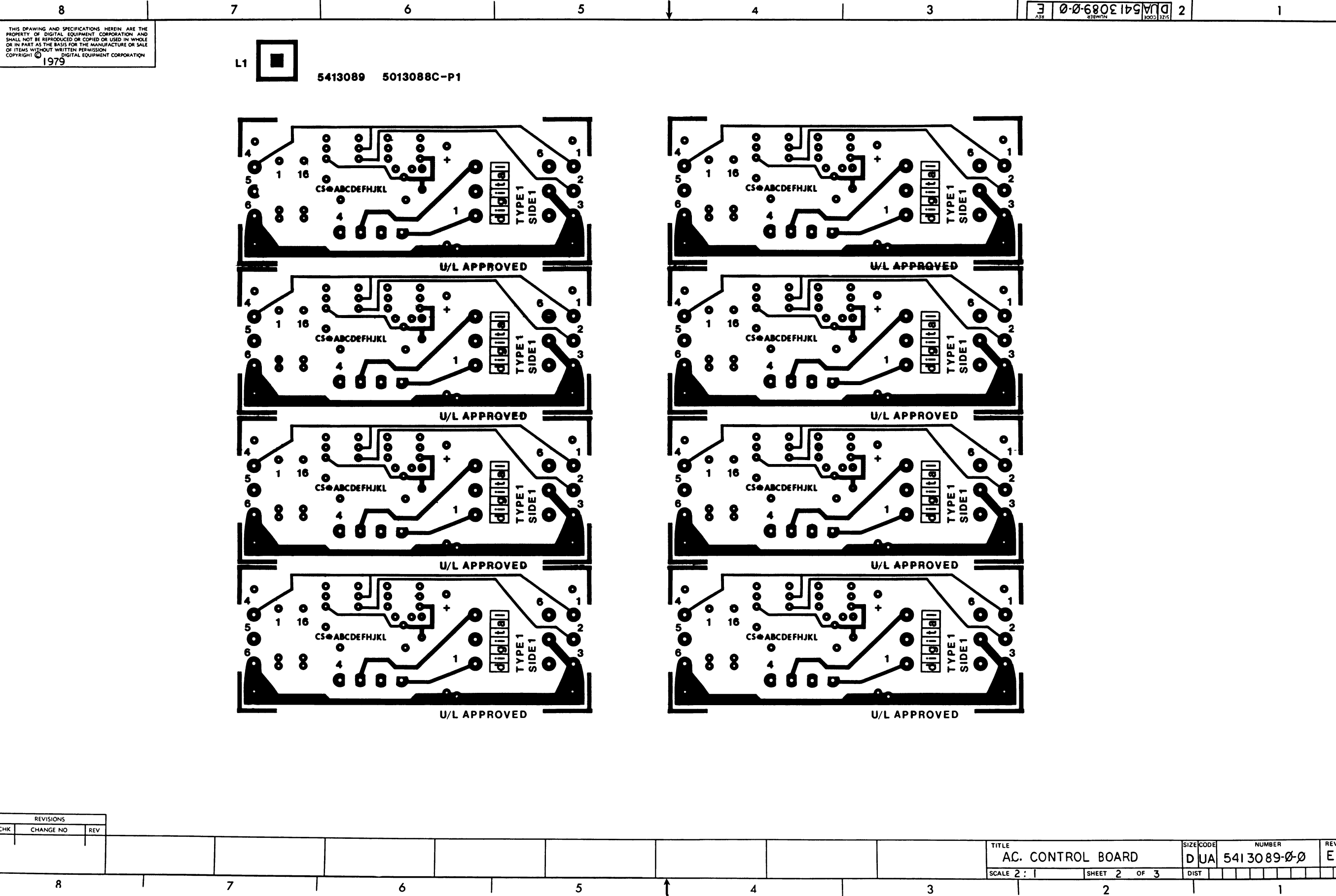


CAUTION:
OFF SHEET PARTS LIST EXIST
K-PL-7014420-0-DBP

REV	DATE	BY	CHK	DESCRIPTION
1	7/14/77	R. KENNEDY		INITIAL DESIGN
2	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
3	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
4	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
5	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
6	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
7	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
8	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
9	7/14/77	R. KENNEDY		REVISED FOR 120V/240V
10	7/14/77	R. KENNEDY		REVISED FOR 120V/240V

DESCRIPTION		DWG/PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 45° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	(CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 0.5
IN	MEDIUM	OVER 0.5 TO 1.2	OVER 1.2 TO 4.0
MICROINCHES	PREFERRED	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0
THIRD ANGLE PROJECTION	DRN BY: <i>Homel</i>	6-30-77	FIRST USED ON
REMOVE BURRS AND BREAK SHARP CORNERS	CHK D BY: <i>Homel</i>	7-26-77	H765
DO NOT SCALE DWG	ENG BY: <i>Homel</i>	9-27-77	TITLE
MATERIAL SEE: K-PL-7014420-0-DBP	PROD BY: <i>Homel</i>	10-12-77	AC INFUT BOX ASSEY
FINISH	NEXT HIGHER ASSY.	E-1A-H765-C-C	SIZE CODE
	SCALE	D AD 7014420-0-0	NUMBER
	SHEET	OF 2	REV.
			DIST.





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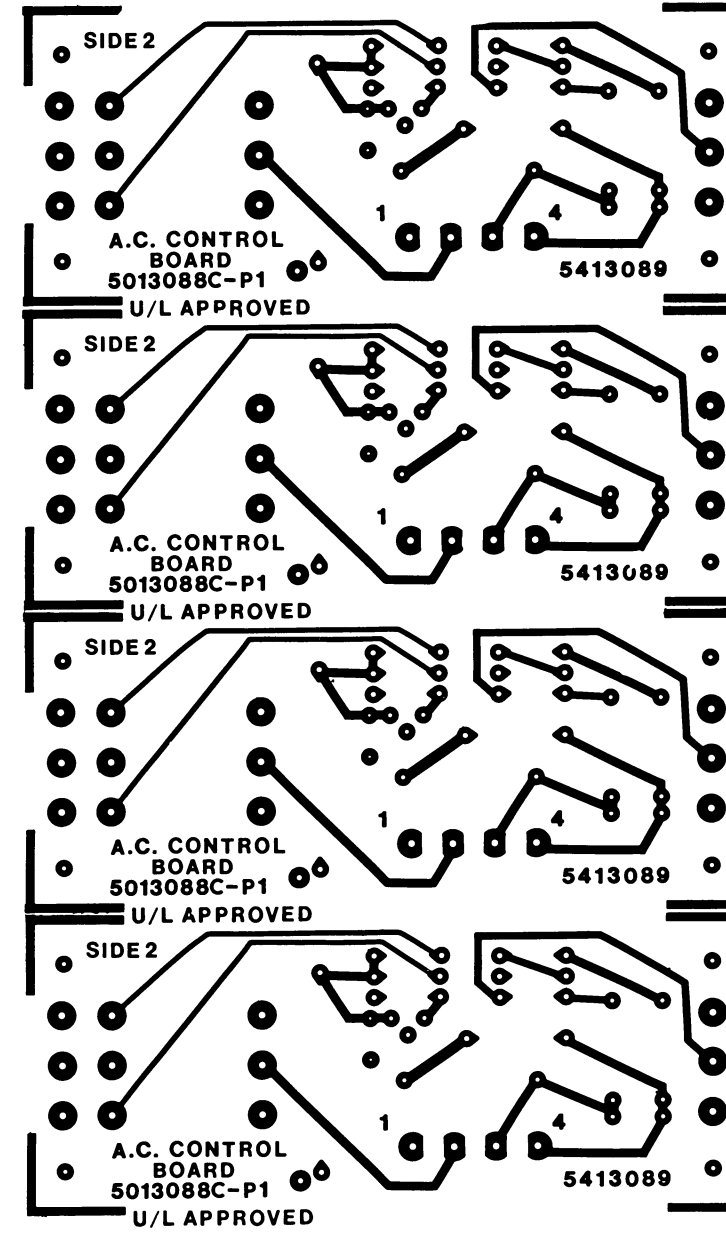
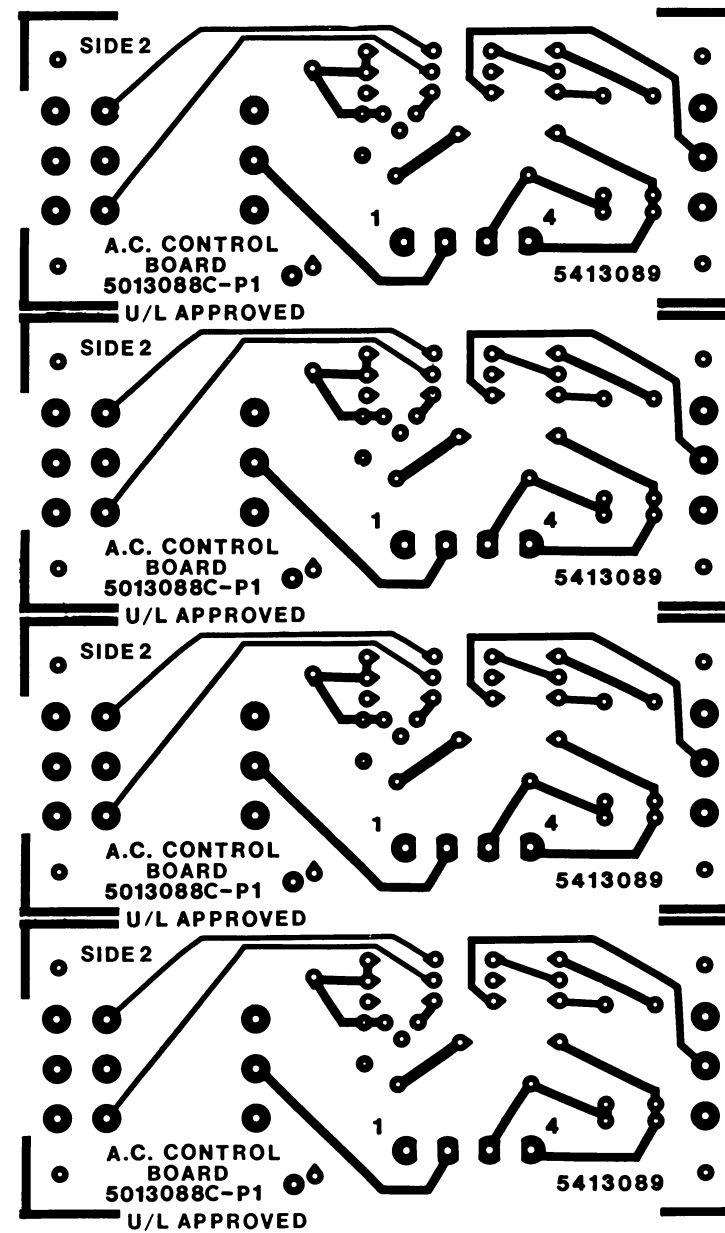
L1
5413089 5013088C-P1

0-0-6803175 2

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE CODE	NUMBER	REV
AC. CONTROL BOARD		D UA	5413089-00	E
SCALE 2 : 1		SHEET 2 OF 3	DIST	

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REVISIONS		
CHK	CHANGE NO	REV

TITLE A.C. CONTROL BOARD		SIZE D	CODE UA	NUMBER 5413089-0-0					REV E
SCALE 2:1	SHEET 3	OF 3		DIST					

DRAWING DIRECTORY

UNIT VARIATIONS

MFG SET

TEST PROCEDURE	A-SP-H744-0-3
MFG SPEC	A-SP-H744-0-8
PACKAGING INST	A-PI-3700074-0-0

VAR	TITLE
-----	-------

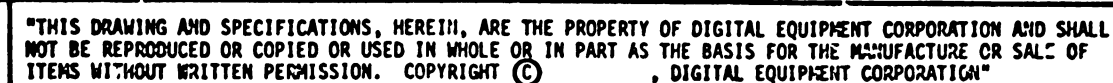
H744	+5V REGULATOR
H744-YA	2.0 - 8.0V VARIABLE REGULATOR

[illegible]

REVISIONS													USED ON OPTION/MODEL		DRN.	DATE	TITLE									
CHK	CHANGE NO.	REV.											11/45		D. FONTAINE	2-4-72	digital									
67.01	00019	R													CHK'D.	DATE	+5V REGULATOR									
JA	00020	S													D. FONTAINE	2-4-72										
															PROJ. ENG.	DATE										
															G. POTTER	2-24-72										
															PRCD.	DATE										
															A. HIRSCH	2-24-72										
													SHEET 1 OF 4													
													SIZE	CODE	NUMBER					REV						
													B	DD	H744-0					S						
													DIST.													



11



THIS IS PRINT SET

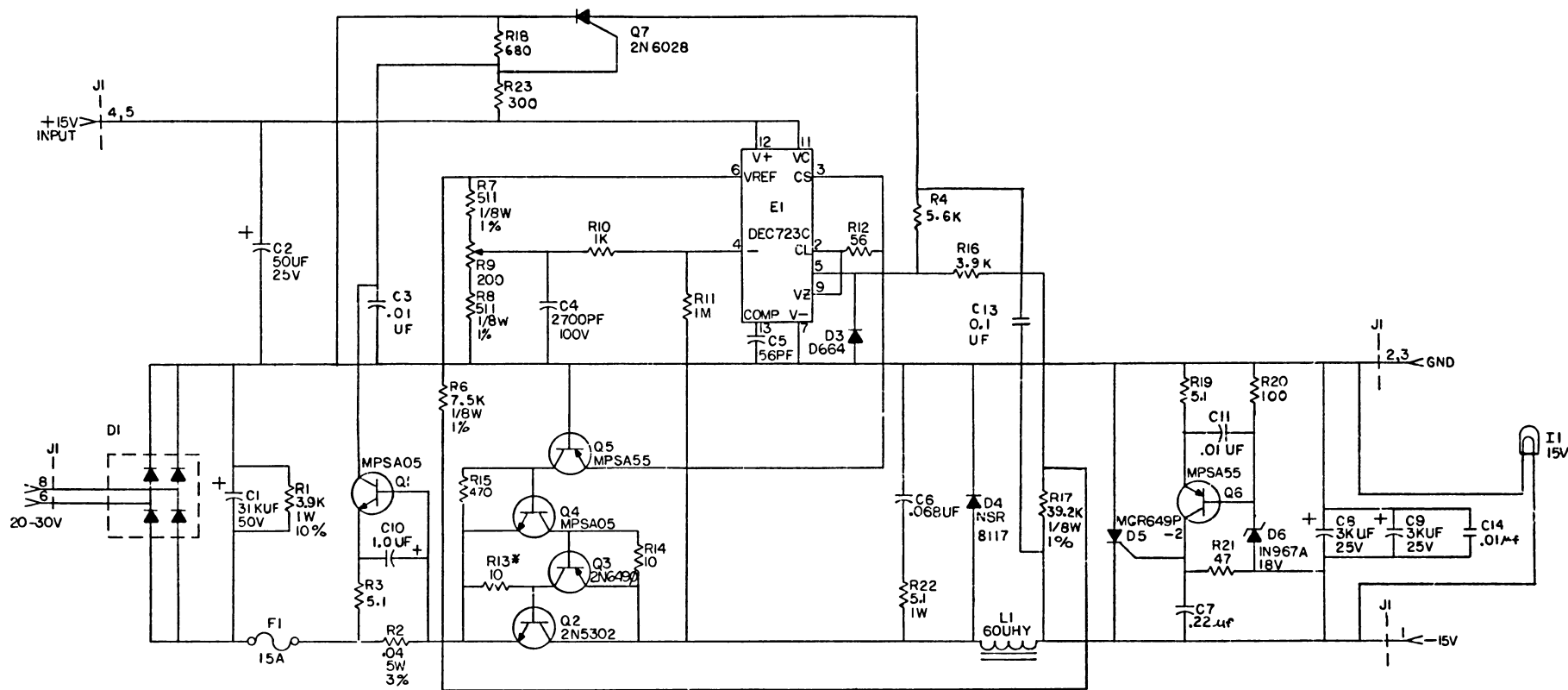
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UNIT VARIATIONS		PRINT SET	
VAR	TITLE	745-1	

[illegible]

REVISIONS			USED ON OPTION/MODEL		DRN.	DATE	TITLE												
DATE	CHG. NO.	REV	11/45		D FONTAINE	2-7-72	-15V REGULATOR												
	H745-16	K			CHK'D.	DATE													
	H745-17	L			J GAUDETTE	2-17-72													
	H745-18	M			PROJ ENG.	DATE													
					G. POTTER	2-25-72	SIZE B	CODE CD	NUMBER H745-0						REV S				
9-76	H745-19	N			PROD.	DATE													
10-76	H745-20	P			A HUSCH	2-25-72													
7-77	H745-22	R			FIELD SERV.	DATE													
10-78	H745-ML023	S			A. ZINS	2-25-72													
			SHEET	OF 2															

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DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASS.



* FUSIBLE
UNLESS OTHERWISE INDICATED:
RESISTORS = 1/4W, 5%

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	E			
DRN. <i>Page 1</i>	DATE 11-6-71	DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D. <i>NADEL</i>	DATE 1-9-71	TITLE		
ENG. <i>NADEL</i>	DATE 11/1/71	-15V REG		
PROJ. <i>NADEL</i>	DATE 11/1/71	NEXT HIGHER ASSY		
REV. <i>NADEL</i>	DATE 11/1/71	SCALE		
REV. <i>NADEL</i>	DATE 11/1/71	SHEET 1 OF 1		
REV. <i>NADEL</i>	DATE 11/1/71	DIST.		
REV. <i>NADEL</i>	DATE 11/1/71	D C S H745 -0-1 AA		
REV. <i>NADEL</i>	DATE 11/1/71	SEMICONDUCTOR CONVERSION CHART		
REV. <i>NADEL</i>	DATE 11/1/71	D664 IN 3606 D45H8		
REV. <i>NADEL</i>	DATE 11/1/71	NSR 8117 2N 6028		
REV. <i>NADEL</i>	DATE 11/1/71	MCR 649P - 2		
REV. <i>NADEL</i>	DATE 11/1/71	IN 967A SAME		
REV. <i>NADEL</i>	DATE 11/1/71	2N 5302		
REV. <i>NADEL</i>	DATE 11/1/71	MPS A05		
REV. <i>NADEL</i>	DATE 11/1/71	MPS A55		
REV. <i>NADEL</i>	DATE 11/1/71	DEC NO. EIA NO. DEC NO. EIA NO.		

THIS IS PRINT SET

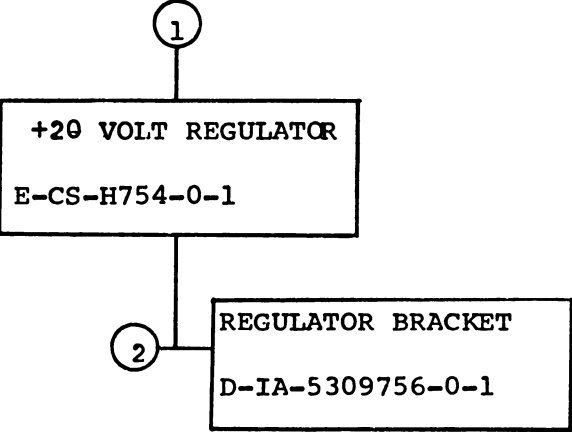
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SEQUENCE

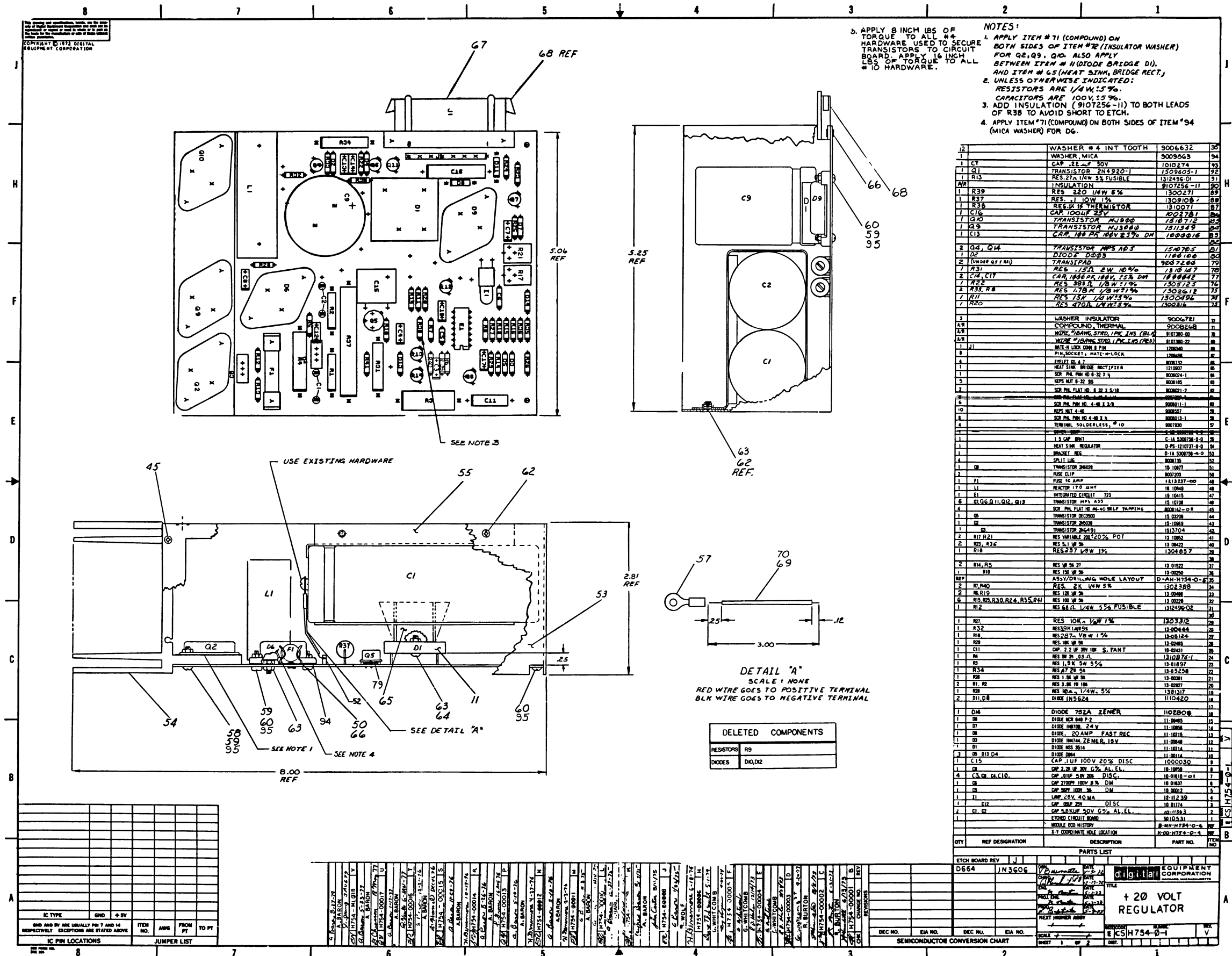
B-DD-H754-Ø
E-CS-H754-0-1

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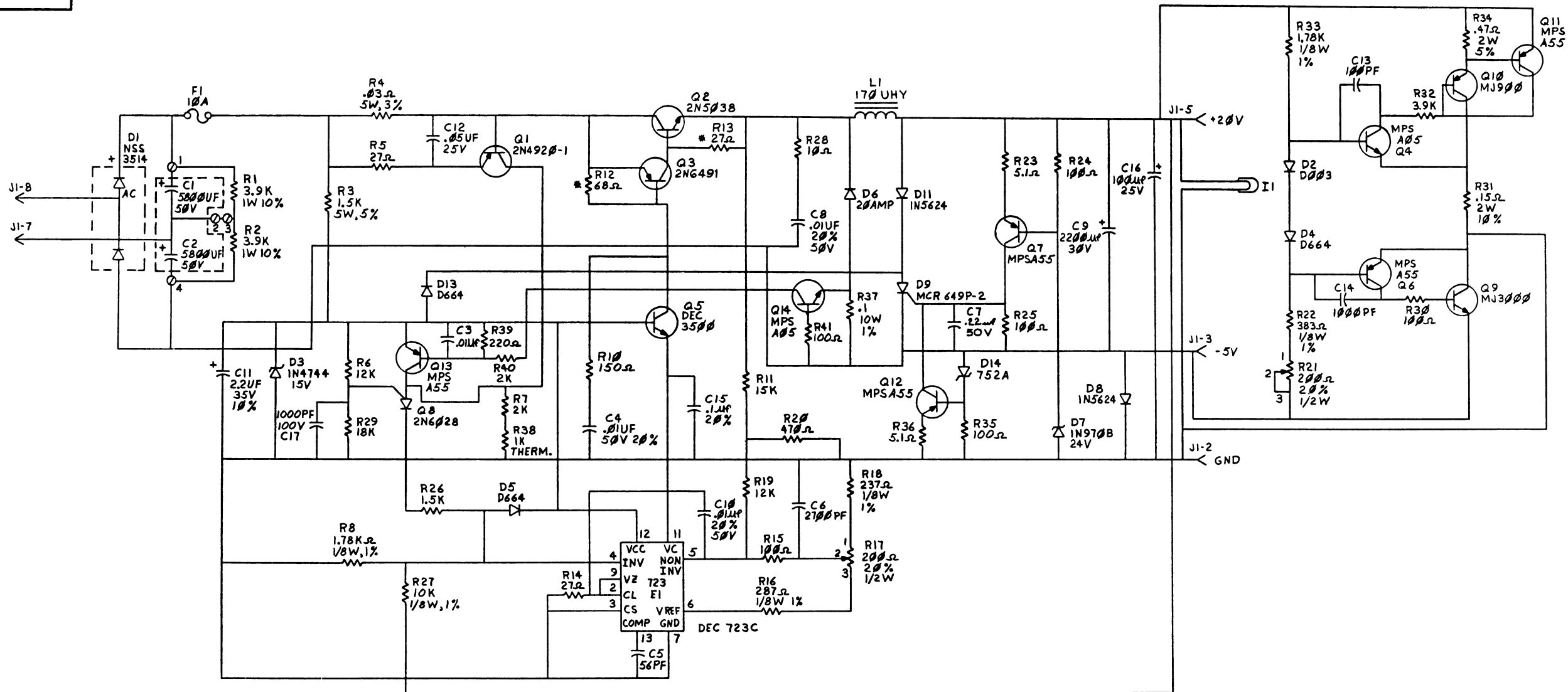
REVISIONS			USED ON OPTION/MODEL		DRN.	DATE	TITLE									
DATE	CHG. NO.	REV			J. Fleming	2/21/74	+20 VOLT REGULATOR									
					CHK'D.	DATE										
					J. Fleming	2/21/74										
					PROJ ENG.	DATE										
					E. A. Wilson	3-13-74										
					PROD.	DATE										
					Pack House	2-14-74	SIZE	CODE	NUMBER						REV	
					FIELD SERV.	DATE	B	DD	H754-Ø						B	
					W. J. Aubrey	7/25/74	DIST									
			SHEET	1	OF	3										



TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
+20 VOLT REGULATOR	3	3	B	DD	H754-Ø	B



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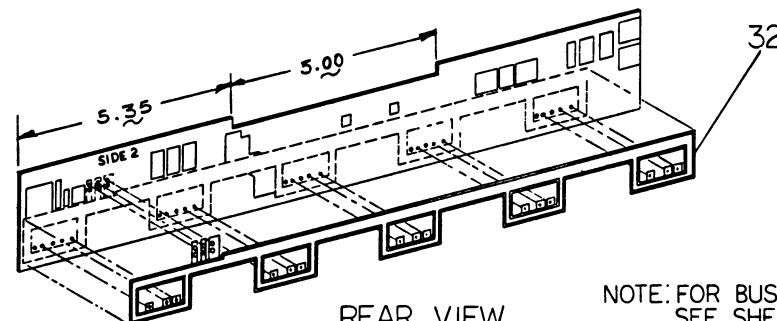
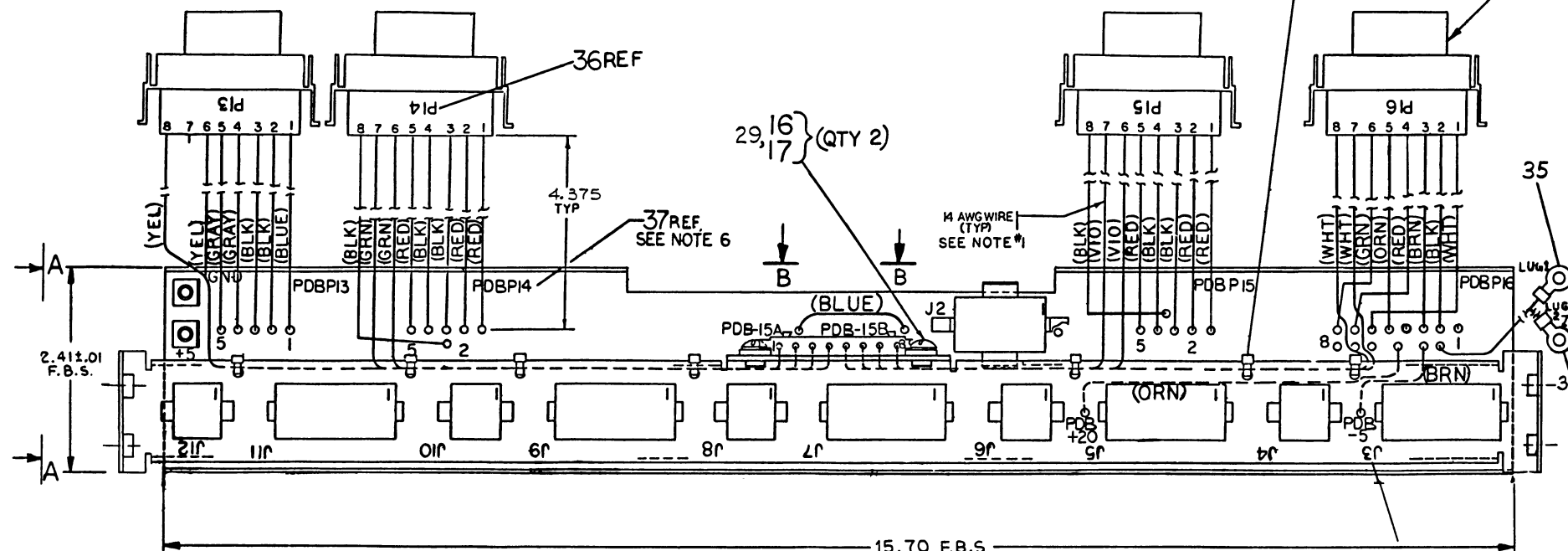
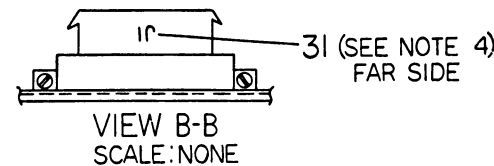
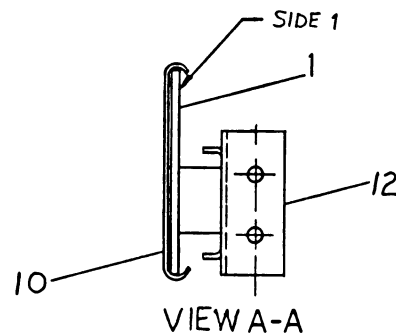
* FUSIBLE RESISTOR

DRN/V BESONNETTE 29-72	FIRST USED ON	H754	digital
CHK D R. VOWLES 2-17-72	TITLE	+20 VOLT REGULATOR	
ENG R. BURTON 5-7-73	PROD. ENG. R. BURTON 5-7-73	PROD. L. BAPTISTE 5-9-73	
NEXT HIGHER ASSY.	SIZE	CODE	NUMBER
SCALE	D	CS	H754-0-1
SHEET 2 OF 2	DIST.		

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NOTES:

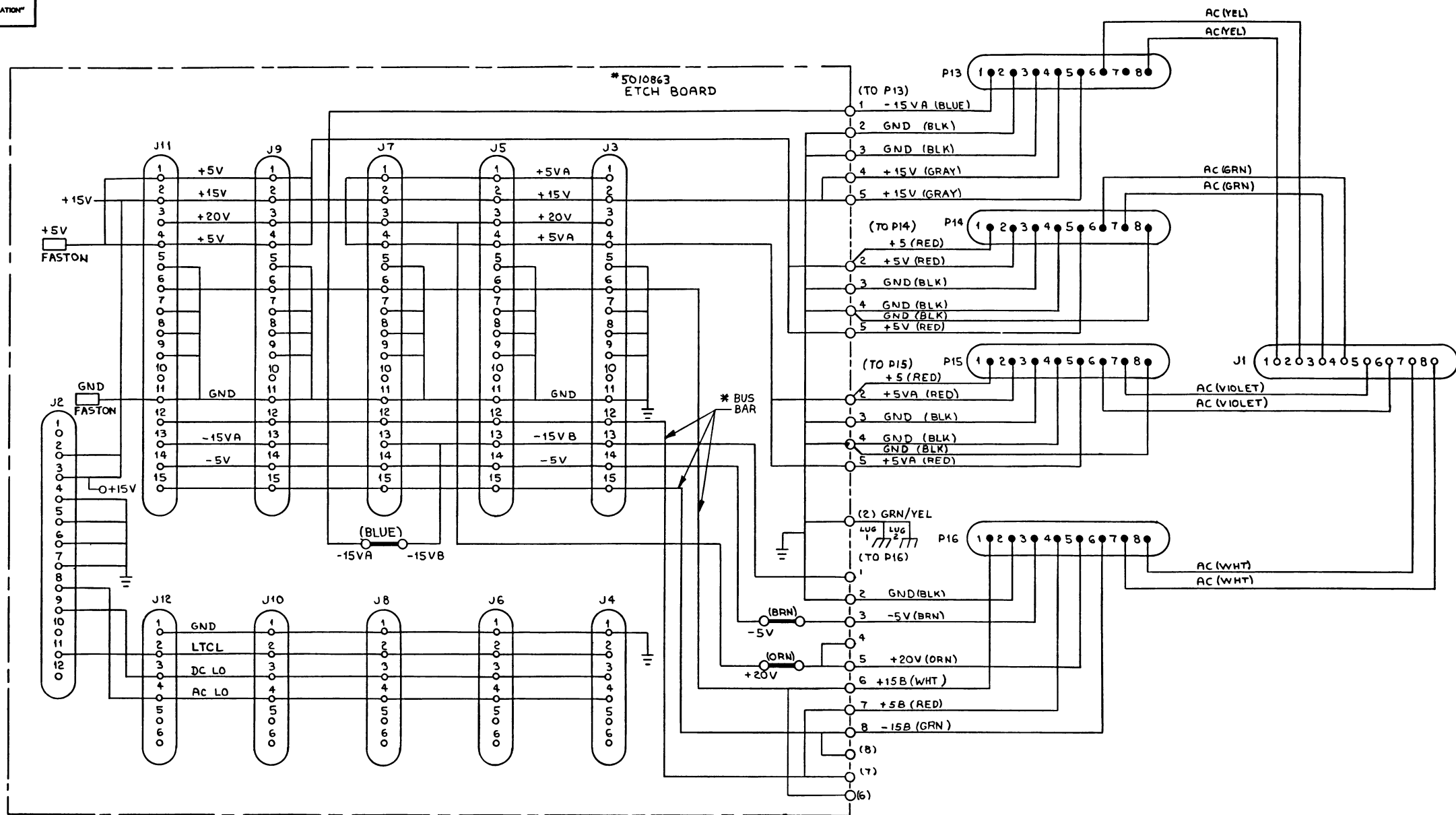
1. FOR HAND WIRING INFORMATION SEE WIRE TABLE ON SHEET 3.
2. MATE-N-LOK FIXTURES (ITEM 28) MUST BE USED DURING WAVE SOLDERING OF J2, J3-J12
3. WIRE JUMPERS ON CIRCUIT BOARD ARE PART OF SIGNAL PATHS. THEY ARE NOT FOR OPTIONS
4. PLACE DECALS (ITEM 30, 31 & 36) APPROX. AS SHOWN.
5. POWER DIST. BOARD WITH 7 #14 AWG WIRES AND BUS BAR IS THE YA VARIATION.
6. PLACE DECAL (ITEM 34) COVERING BOARD ETCH APPROX. AS SHOWN.



1	1		ETCHED CIRCUIT BOARD	D-1A-5010863-00	1
5	5	J4, J6, J8, J10, J12	CONN, 6 PIN MATE-N-LOK (FEMALE)	1209350-06	2
1	1	J1	CONN, 8 PIN MATE-N-LOK (FEMALE)	1209340-00	3
5	5	J3, J5, J7, J9, J11	CONN, 15 PIN MATE-N-LOK (FEMALE)	1209350-15	4
1	1	J2	CONN, 12 PIN MATE-N-LOK (FEMALE)	1209350-12	5
4	4	P13 THRU P16	CONN, 8 PIN MATE-N-LOK (MALE)	1209340-01	6
31	24	(P13 THRU P16)	PIN, MATE-N-LOK	1209378-01	7
8	8	(J1)	PIN, MATE-N-LOK	1209379-01	8
117	117		PIN, MATE-N-LOK PC MOUNT	1209456-	9
1	1		SHIELD	C-MD-7412112-00	10
2	2		GROUND LUG	1008150	11
1	1		BRACKET, CONN MTG	D-MD-7411704-00	12
2	2		EYELET	9009000	13
2	2		FASTON TAB	9008219-0	14
7	7		CABLE TIE .12 WIDE	9007880	15
2	2		SCREW, PHD TRUSS 6-32 x .3125	9006021-08	16
2	2		WASHER, INT TOOTH #6	9006633	17
A/R	A/R		WIRE #14 AWG STRD (ORN)	9107370-33	18
A/R	A/R		WIRE #14 AWG STRD (BRN)	9107370-11	19
A/R	A/R		WIRE #14 AWG STRD (RED)	9107370-22	20
A/R	A/R		WIRE #14 AWG STRD (GRY)	9107370-88	21
A/R	A/R		WIRE #14 AWG STRD (BLK)	9107370-00	22
A/R	A/R		WIRE #14 AWG STRD (BLU)	9107370-66	23
A/R	A/R		WIRE #14 AWG STRD (YEL)	9107370-44	24
A/R	A/R		WIRE #14 AWG STRD (GRN)	9107370-55	25
A/R	A/R		WIRE #14 AWG STRD (VIO)	9107370-77	26
A/R	A/R		WIRE #14 AWG STRD (WHT)	9107370-99	27
A/R	REF		MATE-N-LOK FIXTURES	C-1A-9305937-0-0	28
2	2		FLAT WASHER #6	9006686	29
A/R	A/R	J3 THRU J12	DECAL, PWR CONN.	A-DC-7409873-01	30
A/R	A/R	J1	DECAL, PWR CONN.	A-DC-7409873-02	31
1	-		BAR, BUS, BATTERY BACKUP	1213497	32
A/R	A/R		WIRE #14 AWG GRN/YEL	9107777-54	33
1	1		TERMINAL, RING BLU	9007928	34
1	1		TERMINAL, RING YEL	9007926-01	35
A/R	A/R	P13 THRU P16	DECAL, PWR CONN.	A-DC-7409872-2	36
A/R	A/R	P13 THRU P16	DECAL, PWR BOARD	A-DC-7417991-0-0	37

FIRST USED ON OPTION MODEL		ETCH BOARD REV.		PARTS LIST		TITLE	
BA11-K		D				digital	
				DRN. P. Beasley CHN. 7/11 ENG. 7/25/74 PRO. 7/25/74 PROD. 7/25/74 R. K. Polansky		POWER DISTRIBUTION BOARD	
				NEXT HIGHER ASSY D-UA-BALL-K-0		SIZE CODE NUMBER REV. D CS 5410864-0-1 L	
DEC NO.		EIA NO.		SCALE NONE		DIST.	
				SHEET OF 3			
SEMICONDUCTOR CONVERSION CHART							

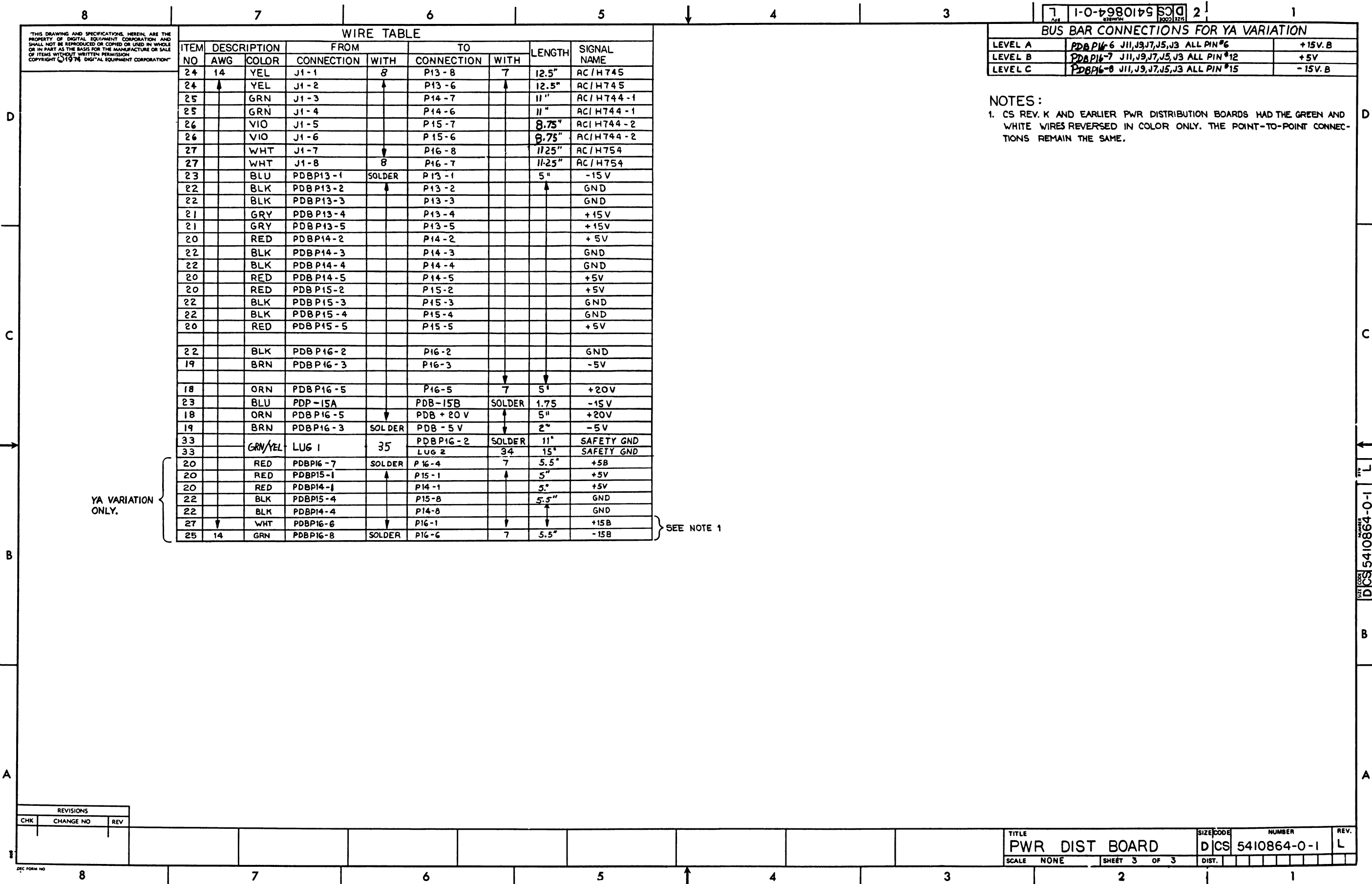
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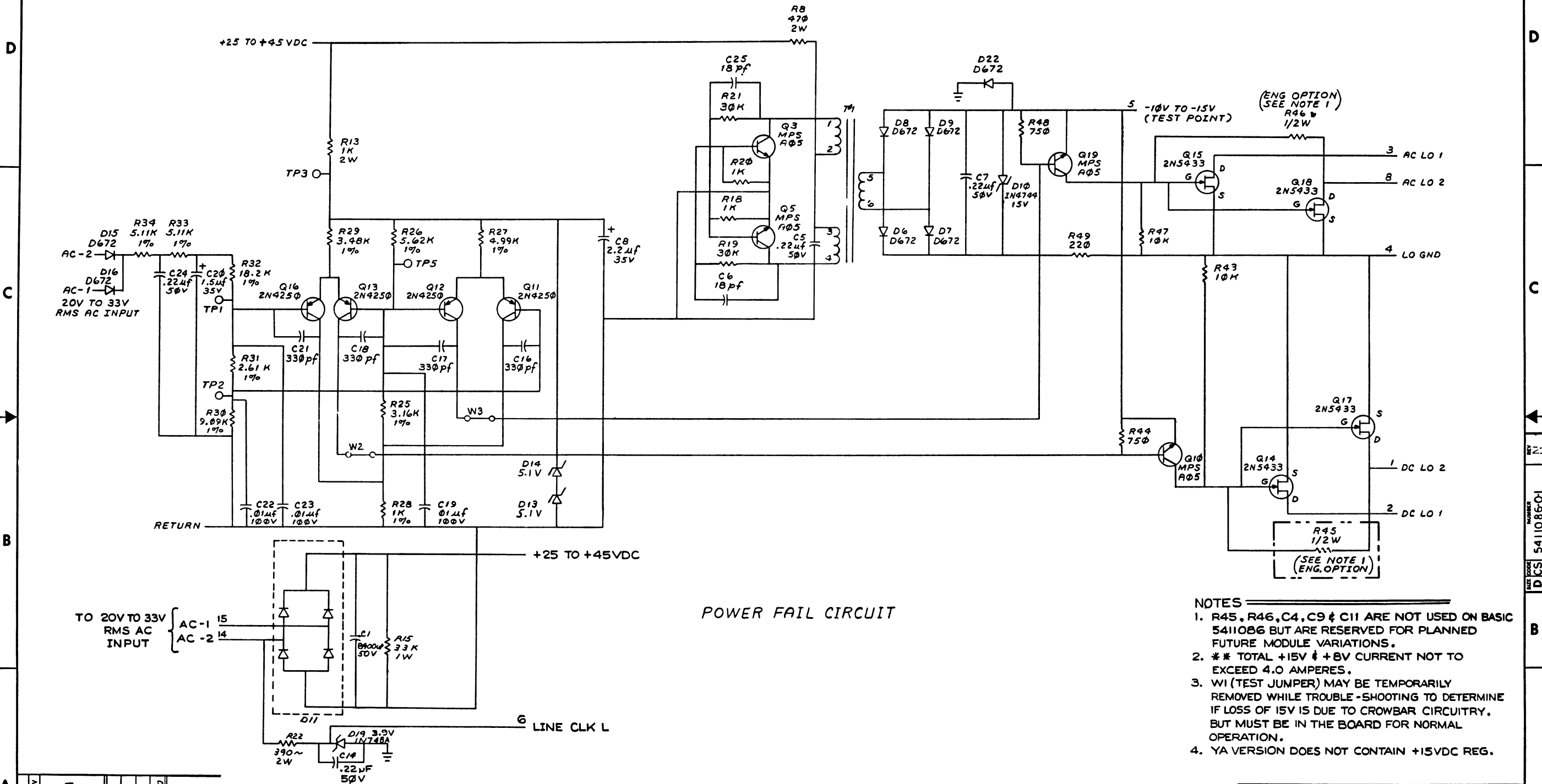
* BUS BAR USED IN THE YA VARIATION ONLY

REVISIONS		
CHK	CHANGE NO	REV

TITLE		SIZE	CODE	NUMBER		REV.
PWR DIST BOARD		D	CS	5410864-0-1		L
SCALE		SHEET		DIST.		
NONE		2 OF 3				



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- NOTES
1. R45, R46, C4, C9 & C11 ARE NOT USED ON BASIC 5411086 BUT ARE RESERVED FOR PLANNED FUTURE MODULE VARIATIONS.
 2. ** TOTAL +15V & +8V CURRENT NOT TO EXCEED 4.0 AMPERES.
 3. W1 (TEST JUMPER) MAY BE TEMPORARILY REMOVED WHILE TROUBLE-SHOOTING TO DETERMINE IF LOSS OF 15V IS DUE TO CROWBAR CIRCUITRY. BUT MUST BE IN THE BOARD FOR NORMAL OPERATION.
 4. YA VERSION DOES NOT CONTAIN +15VDC REG.

REV	CHANGE NO.	DATE	BY	CHK
M				
ML008				
CARTER				
R. KENNEDY				
G. BARN				
5411086 TWO09 B				
7/11/79				
A. BARON				
1/1/80				

DEC 1979

REV 100-0

DRN POWERS	1-17-79	FIRST USED ON	digital
CHK'D	2-18-79	TITLE	POWER LINE
ENG	2-6-79		MONITOR 15V REG
PROJ ENG	2-6-79		
PROD	2-18-79		
NEXT HIGHER ASSY.			
B-DD-5411086-0	SIZE CODE	NUMBER	REV
SCALE NONE	d CS	5411086-0-1	N
SHEET 1	OF 2	DIST	

TW 1

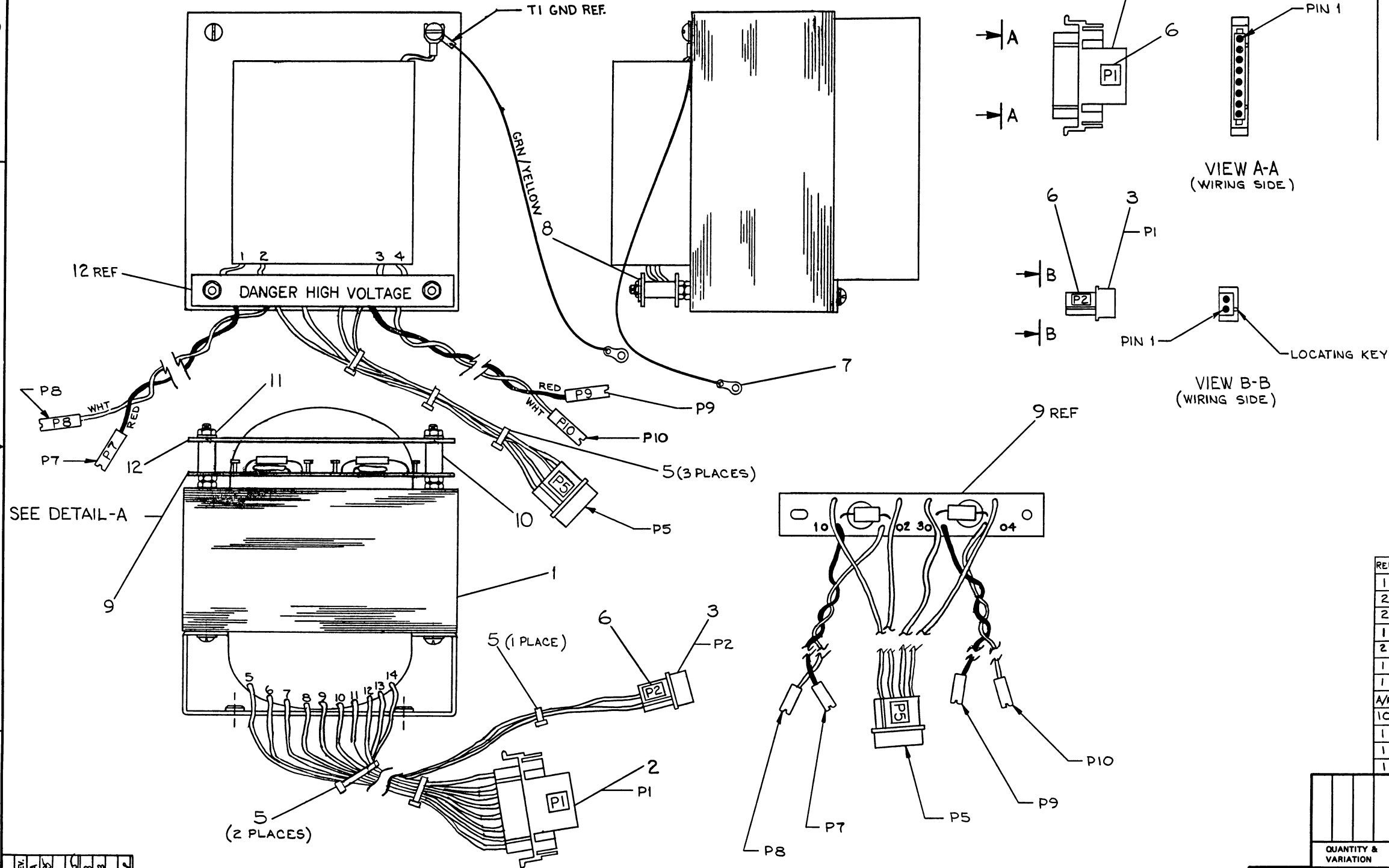
REVISIONS		
CHK	CHANGE NO	REV



REVISIONS		
CHK	CHANGE NO	REV

TITLE		PWR. LINE		SIZE CODE		NUMBER		REV	
MONITOR/15V REG.		D CS		5411086-0-1				N	
SCALE		SHEET 2 OF 2		DIST					
		2				TW			

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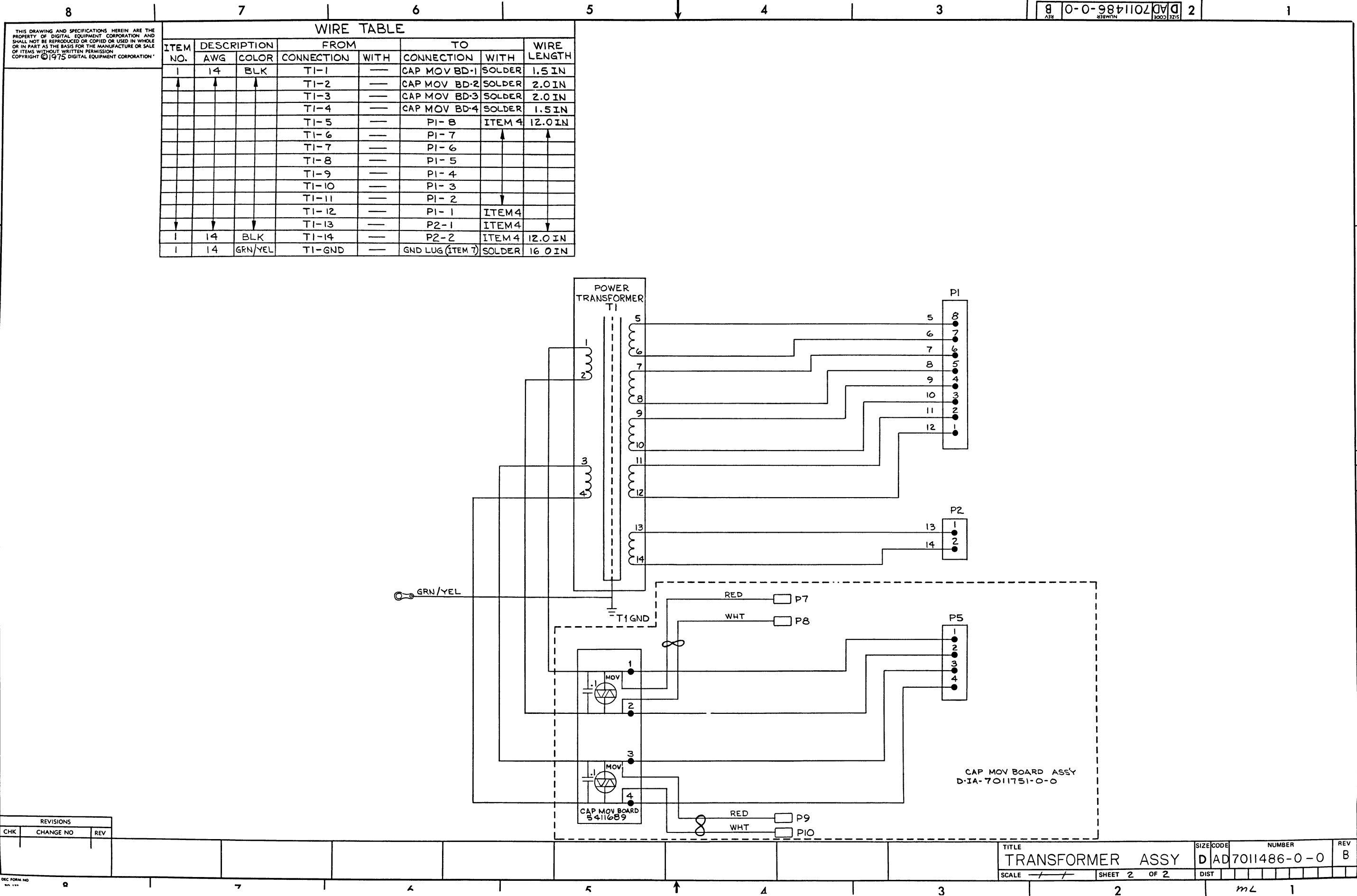


REF	DESCRIPTION	DWG/PART NO	ITEM NO
1	COVER	C-1A-7414301-0-0	12
2	NUT, KEP*10 32	9006565	11
2	SPACER, 3/8 OD X 1/2 LG	9007831	10
1	CAP MOV BOARD ASSY	D-1A-7011751-0-0	9
2	WASHER, FLAT #37X.218 ID	9006664	8
1	GROUND LUG	9008150	7
1	DECAL	A-DC 7409872 0-0	6
A/R	CABLE TIES 5/16 L X 1/3 W	9007880	5
10	PIN, MALE	1209378-1	4
1	CONN., 2 PIN	1210822-2	3
1	CONN., 8 PIN	1209340-01	2
1	TRANSFORMER	1612524	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLES	CLASS OF ACCURACY (CHECK ONE)
±0° 30'	<input type="checkbox"/> MEDIUM
SURFACE QUALITY IN MICROINCHES	<input checked="" type="checkbox"/> PREFERRED
±0.004	±0.008
±0.012	±0.018
±0.025	±0.04
±0.053	±0.1

THIRD ANGLE PROJECTION	DRN T. Quill	FIRST USED ON	H782
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D BY	TITLE	TRANSFORMER ASSY
DO NOT SCALE DWG	ENG R. B. Kennedy	SIZE	D
MATERIAL SEE PARTS LIST	PROJ. ENG. R. B. Kennedy	CODE	AD
FINISH	PROD. M. Kennedy	NUMBER	7011486-0-0
		REV.	B
		SHEET	1 OF 2
		DIST.	

REV.	CHANGE NO.	DATE	BY	APP.
1	7011486-00001	12/15/75	B. WOLF	
2	7011486-00002	1/16/76	R. KENNEDY	
3	7011486-00003	2/11/76	R. KENNEDY	



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NOTES:

- VARIATIONS AND LENGTHS SHOWN IN LEGEND ARE STANDARD. OTHER THAN STANDARD VARIATIONS WILL BE SPECIFIED BY ALPHANUMERIC DESIGNATION. FOR LENGTHS OTHER THAN FOOT INCREMENTS FROM ONE (1) FOOT THRU NINE (9) FEET, ELEVEN (11) INCHES.
A = 1" G = 7"
B = 2" H = 8"
C = 3" J = 9"
D = 4" K = 10"
E = 5" L = 11"
F = 6"
EXAMPLE: BC11A-3D = 3'4".
LENGTHS WILL BE IN FOOT INCREMENTS FROM TEN (10) FEET ON, AND WILL BE SPECIFIED BY THE CORRESPONDING NUMERICAL DESIGNATION.
EXAMPLE: BC11A-11 = 11 FEET.
THE TOLERANCE ON DIMENSION "A" WILL BE 2% OF THE FOOT INCREMENT.
- FLEXPRINTS TO BE BOUND TOGETHER BY WRAPPING WITH ELECTRICAL TAPE (ITEM 7) EVERY 18 INCHES.
- INSTALL 2 PIECES OF FOAM TAPE (ITEM 8) BETWEEN FLEX PRINT CABLES AS SHOWN.

1 REF SIDE #1 SEE NOTE #3 3 REF SIDE #2 2 REF 5 5 SIDE #1 4 6 3 REF 7 SEE NOTE 2 8 3 SEE NOTE #1 AND LEGEND 6 REF 4 REF M919 A V A V 5.18 REF 2 1 2 1/4 ± 1/2 2PLCS X Y

REVISIONS

CHK	CHANGE NO	REV	DATE
DES	BC11A-00001	A	11/1/69
DES	BC11A-00002	B	11/1/69
DES	BC11A-00003	C	11/1/69
DES	BC11A-00004	D	11/1/69
DES	BC11A-00005	E	11/1/69
DES	BC11A-00006	F	11/1/69
DES	BC11A-00007	G	11/1/69
DES	BC11A-00008	H	11/1/69
DES	BC11A-00009	I	11/1/69
DES	BC11A-00010	J	11/1/69
DES	BC11A-00011	K	11/1/69
DES	BC11A-00012	L	11/1/69
DES	BC11A-00013	M	11/1/69
DES	BC11A-00014	N	11/1/69
DES	BC11A-00015	O	11/1/69
DES	BC11A-00016	P	11/1/69
DES	BC11A-00017	Q	11/1/69
DES	BC11A-00018	R	11/1/69
DES	BC11A-00019	S	11/1/69
DES	BC11A-00020	T	11/1/69
DES	BC11A-00021	U	11/1/69
DES	BC11A-00022	V	11/1/69
DES	BC11A-00023	W	11/1/69
DES	BC11A-00024	X	11/1/69
DES	BC11A-00025	Y	11/1/69
DES	BC11A-00026	Z	11/1/69
DES	BC11A-00027	AA	11/1/69
DES	BC11A-00028	AB	11/1/69
DES	BC11A-00029	AC	11/1/69
DES	BC11A-00030	AD	11/1/69
DES	BC11A-00031	AE	11/1/69
DES	BC11A-00032	AF	11/1/69
DES	BC11A-00033	AG	11/1/69
DES	BC11A-00034	AH	11/1/69
DES	BC11A-00035	AI	11/1/69
DES	BC11A-00036	AJ	11/1/69
DES	BC11A-00037	AK	11/1/69
DES	BC11A-00038	AL	11/1/69
DES	BC11A-00039	AM	11/1/69
DES	BC11A-00040	AN	11/1/69
DES	BC11A-00041	AO	11/1/69
DES	BC11A-00042	AP	11/1/69
DES	BC11A-00043	AQ	11/1/69
DES	BC11A-00044	AR	11/1/69
DES	BC11A-00045	AS	11/1/69
DES	BC11A-00046	AT	11/1/69
DES	BC11A-00047	AU	11/1/69
DES	BC11A-00048	AV	11/1/69
DES	BC11A-00049	AW	11/1/69
DES	BC11A-00050	AX	11/1/69
DES	BC11A-00051	AY	11/1/69
DES	BC11A-00052	AZ	11/1/69
DES	BC11A-00053	BA	11/1/69
DES	BC11A-00054	BB	11/1/69
DES	BC11A-00055	BC	11/1/69
DES	BC11A-00056	BD	11/1/69
DES	BC11A-00057	BE	11/1/69
DES	BC11A-00058	BF	11/1/69
DES	BC11A-00059	BG	11/1/69
DES	BC11A-00060	BH	11/1/69
DES	BC11A-00061	BI	11/1/69
DES	BC11A-00062	BJ	11/1/69
DES	BC11A-00063	BK	11/1/69
DES	BC11A-00064	BL	11/1/69
DES	BC11A-00065	BM	11/1/69
DES	BC11A-00066	BN	11/1/69
DES	BC11A-00067	BO	11/1/69
DES	BC11A-00068	BP	11/1/69
DES	BC11A-00069	BQ	11/1/69
DES	BC11A-00070	BR	11/1/69
DES	BC11A-00071	BS	11/1/69
DES	BC11A-00072	BT	11/1/69
DES	BC11A-00073	BU	11/1/69
DES	BC11A-00074	BV	11/1/69
DES	BC11A-00075	BW	11/1/69
DES	BC11A-00076	BX	11/1/69
DES	BC11A-00077	BY	11/1/69
DES	BC11A-00078	BZ	11/1/69
DES	BC11A-00079	CA	11/1/69
DES	BC11A-00080	CB	11/1/69
DES	BC11A-00081	CC	11/1/69
DES	BC11A-00082	CD	11/1/69
DES	BC11A-00083	CE	11/1/69
DES	BC11A-00084	CF	

1. VARIATIONS AND LENGTHS SHOWN IN LEGEND ARE STANDARD. OTHER THAN STANDARD VARIATIONS WILL BE SPECIFIED BY ALPHANUMERIC DESIGNATION. FOR LENGTHS OTHER THAN FOOT INCREMENTS FROM ONE (1) FOOT THRU NINE (9) FEET, ELEVEN (11) INCHES.

A = 1"	G = 7"
B = 2"	H = 8"
C = 3"	J = 9"
D = 4"	K = 10"
E = 5"	L = 11"
F = 6"	

EXAMPLE: BC11A - 3D = 3'4".
LENGTHS WILL BE IN FOOT INCREMENTS FROM TEN (10) FEET ON, AND WILL BE SPECIFIED BY THE CORRESPONDING NUMERICAL DESIGNATION.
EXAMPLE: BC11A - 11 = 11 FEET.
THE TOLERANCE ON DIMENSION "A" WILL BE 2% OF THE FOOT INCREMENT.

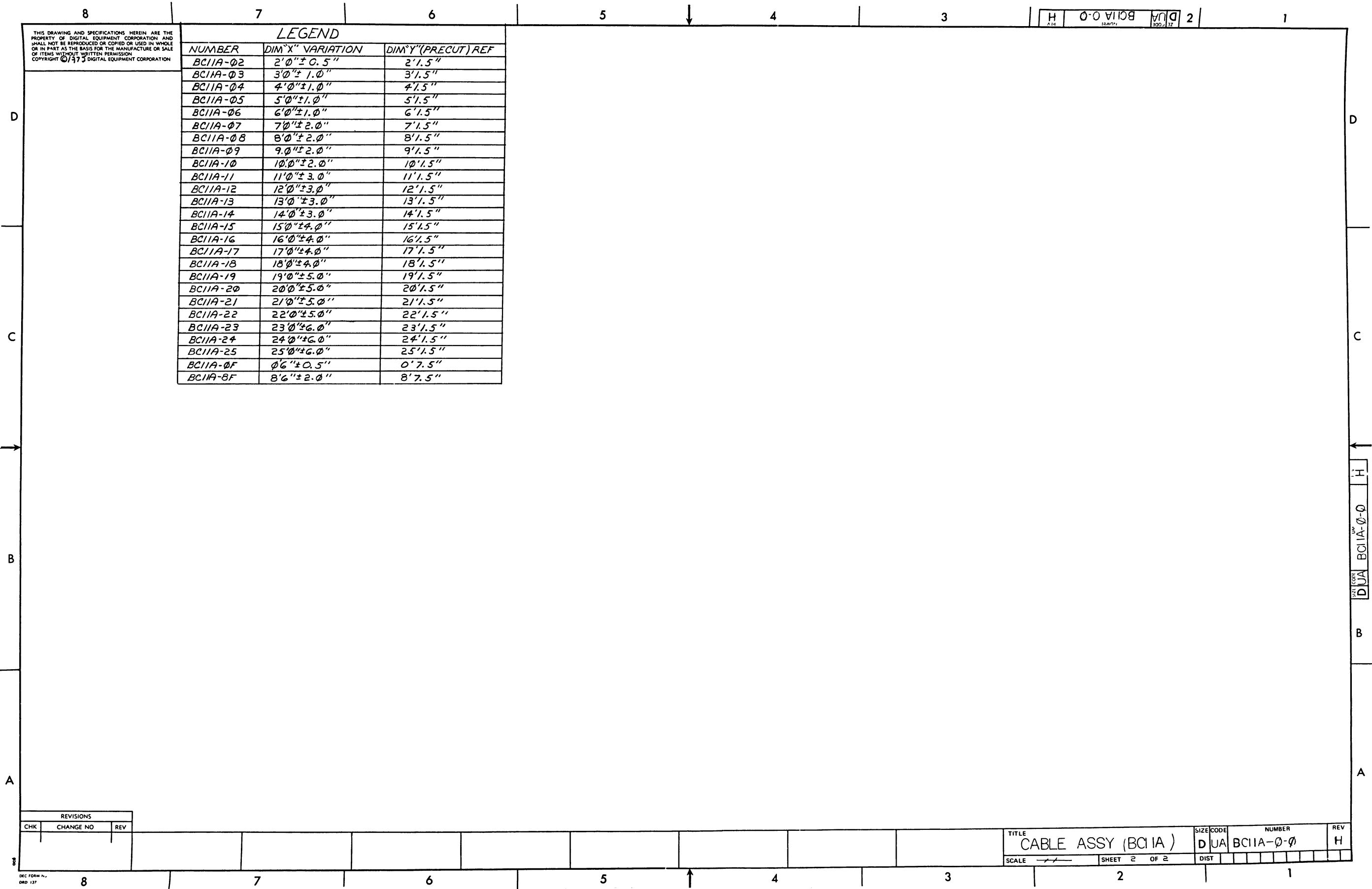
2. FLEXPRINTS TO BE BOUND TOGETHER BY WRAPPING WITH ELECTRICAL TAPE (ITEM T) EVERY 18 INCHES.

3. INSTALL 2 PIECES OF FOAM TAPE (ITEM 8) BETWEEN FLEX PRINT CABLES AS SHOWN.

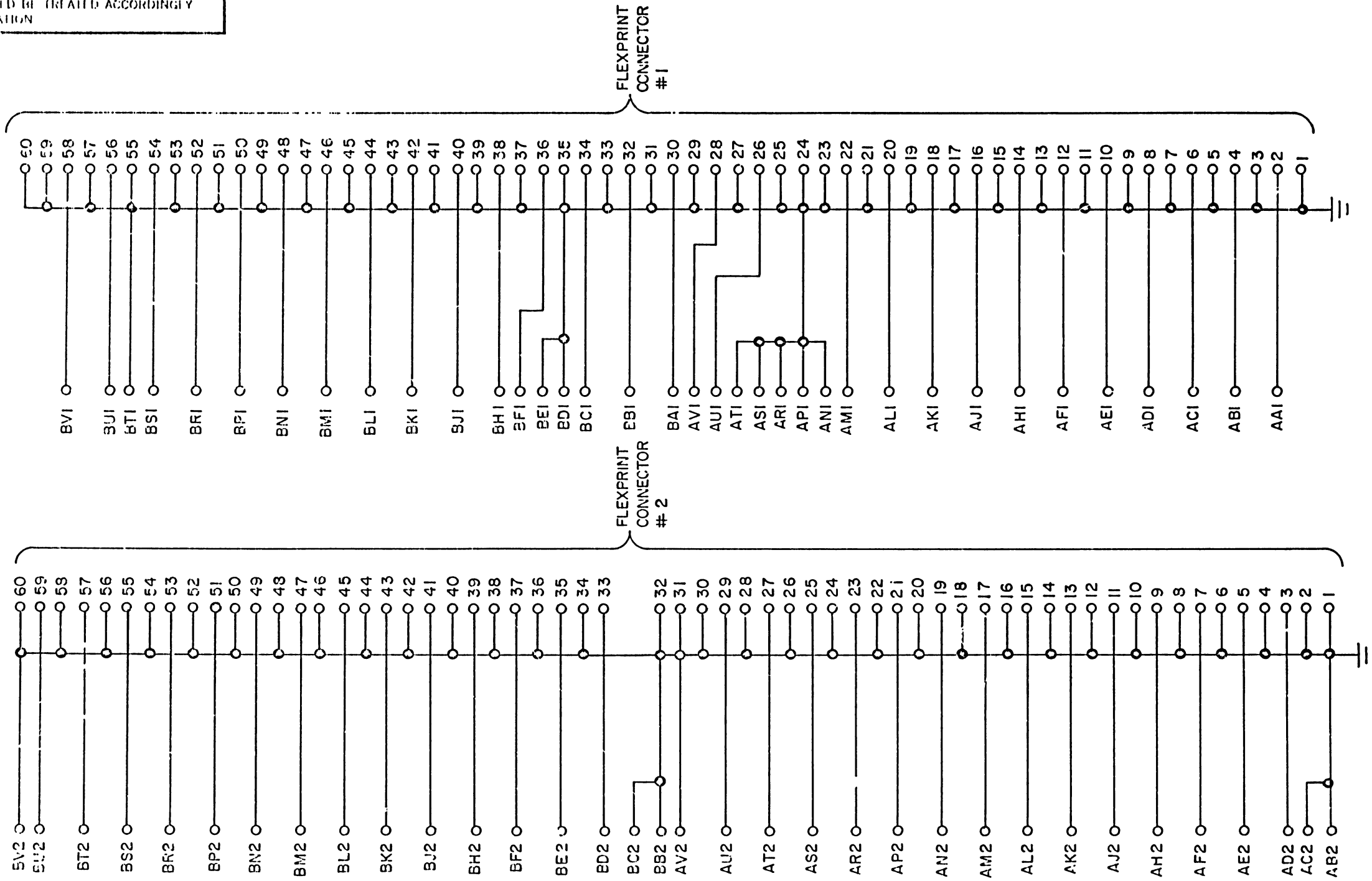
A/R	GRAY FOAM - 3" WIDE	900B851-01	8
A/R	ELECTRICAL TAPE	9009260	6
4	CLAMP, CABLE	C-3C-120764-200	7
A/R	TAPE *4032 1/4" X 3 1/2" L6	9007834-01	5
4	EYELET GS-4-11 STM30-1	9006750	4
2	CABLE, FLEXPRINT"	1700002-01	3
1	EXT. BUS CONN	A-PL M919-B-0	2
1	BUS CONN	A-PL-M929-B-0	1
QTY	DESCRIPTION	PART NO	ITEM NO

		PARTS LIST		
Q'RN	DATE	<div><div>digital</div><div>EQUIPMENT CORPORATION WYTHAM MASSACHUSETTS</div></div>		
CHKD	DATE			
ENG	DATE			
PROJ ENG	DATE			
BRKD	DATE			
NEXT HIGHER ASSY		TITLE CABLE ASSY (BC11A)		
D-UA-11/20-0-0				
SCALE 1/1				
		SIZE CODE	NUMBER	R#
		D1UA	BC11A-0-0	H

MP-BC11A-00



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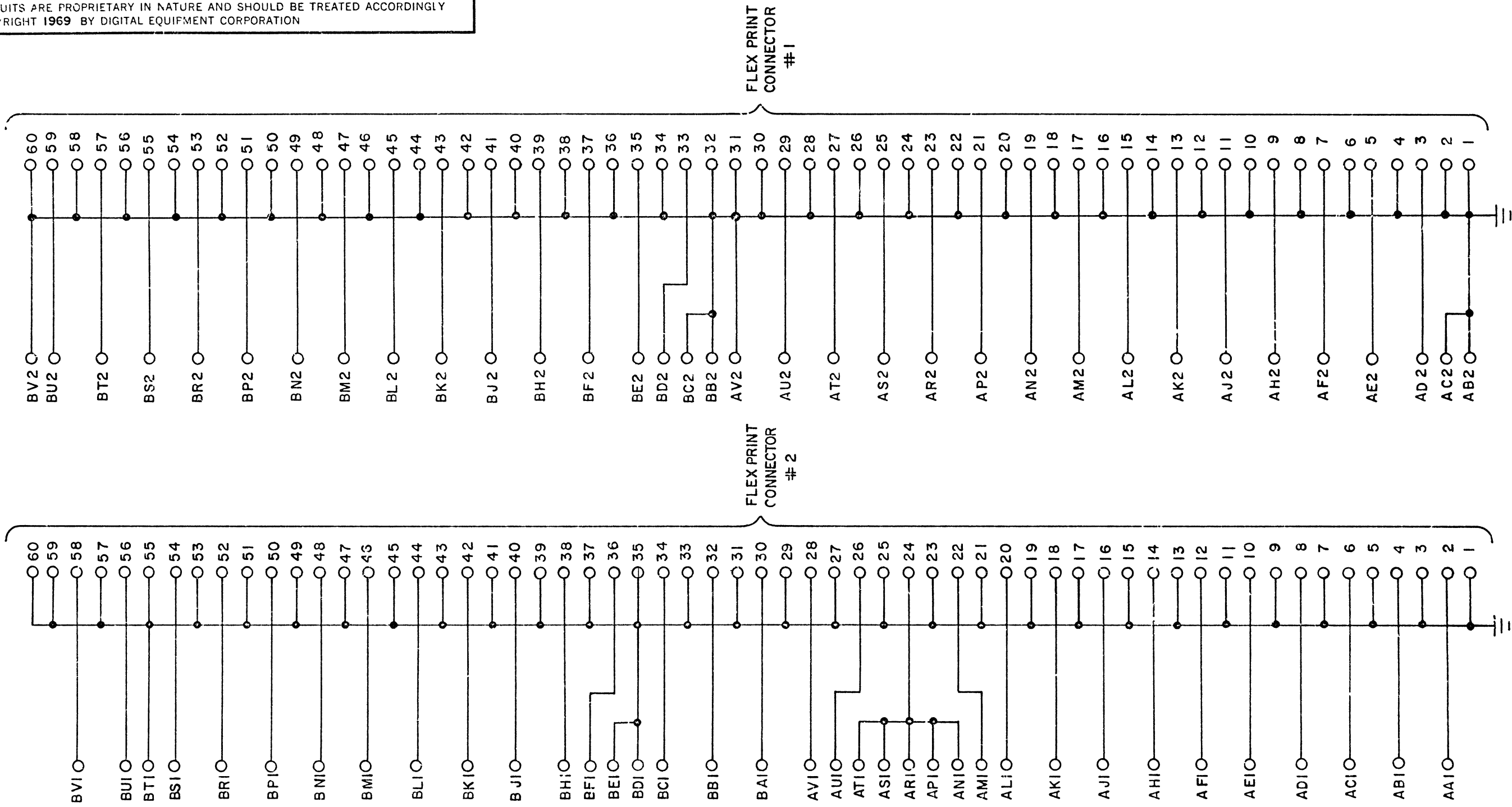


REVISIONS		DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				TITLE			
CHK	NO	REV		DEC	FIA	DEC	FIA	SIZE	CODE	NUMBER	REV.
✓	00001	A	10/17/59					B	CS	M919-0-1	B
✓	ML032	B	10-23-68								
			11-7-69					PRINTED CIRCUIT REV.			
								BC			

EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

BUS CONNECTOR M919

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REVISIONS				DRN		DATE		TRANSISTOR & DIODE CONVERSION CHART				EQUIPMENT CORPORATION		TITLE	
CHK	CHG NO	REV		CHK'D	DATE	DEC	EIA	DEC	EIA	MAYNARD, MASSACHUSETTS		SIZE	CODE	NUMBER	REV
												B	CS	M929-0-1	A
PRINTED CIRCUIT REV															

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